SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017 & KS Q ISO/IEC 17025:2017

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CALIBRATION

Valid To : Oct. 29. 2025 Accreditation No : KC01-018

In recognition of the successful completion of the KOLAS evaluation process,
accreditation is granted to this laboratory to perform the following calibrations

Field Code	Item of Calibration	On-Site
102. Linear dimension		
10201	Balls	N
10203	Electrical/Mechanical comparators	Y
10204	Gauge block comparators	Y
10206	Dial/cylinder gauge testers	N
10207	Doctor blades	N
10208	Distance meters; electrooptic /laser/ultrasonic	N
10209	End bars	N
10210	Extensometers, linear displacement transducers	Y
10211	Filler gauges	Y
10212	Film applicators	N
10213	Gap gauges	N
10214	Gauge blocks, by comparison	N
10216	Height gauges/measuring machines	Y
10219	Linear scales	N
10220	Standard measuring machines	Y
10221	Micro scales/Standard scales	N
10223	Electronic micrometers	Y
10224	Height micrometers, riser blocks	N
10225	Laser scan micrometers	Y
10227	Standard tape rules, peripheral gauges	N
10228	Cylindrical plug/pin gauges, Thread measuring wire gauges	Y
10229	Radius gauges	N
10230	Cylindrical ring gauges	N
10231	Step blocks	N
10232	Step gauges	N
10233	Taper thickness gauges	N
10234	Ultrasonic thickness gauges	Y
10235	Ultrasonic/coating thickness specimens	N
103. Angle		
10236	Coating thickness testers	Y
10237	Torque arms	N
10238	Width measuring specimens	N
10302	Angle gauge blocks	N
10303	Autocollimators	N
10304	Bevel protractors	Y
10306	Clinometers	N
10307	Collimators	Y
10308	Fine angle generators, level comparators	N
10310	Indexing tables	N
10311	Plate/square/electric levels	N
10312	Auto levels	N
10314	Penta-prisms	N
10315	Polygons	N
10316	Rotary tables	Y
10317	Sine bars, plates, tables, centers	N
10318	Squareness testers, right angle testers	Y
10319	Cylindrical squares	N
10320	Precision squares	N
10321	Theodolites, transits	N
10322	Angular dislpacement transducers	Y
10323	Alignment telescopes, line of sight collimaters	N
10324	Calibration system for survey instruments	Y
10325	Jig transits	N
10326	Laser levels	N
10327	Optical wedges	N
104. Form		
10401	Form testers	Y
10404	Optical flats	N
10405	Optical parallels	N
10406	Parallel blocks	Y
10407	Precision surface plates	Y
10408	Profile gauges	N
10409	Roundness measurement instruments	Y
10410	Form standard specimens	N
10411	Roundness standard/ roundness magnification standard specimens	N
10412	Straight edges	Y
10413	Straight rules	N
10415	Test bars	N
10416	Spherometers	N
105. Complex geometry		
10501	Base gauges for electric bulb	N
10502	Bench centers	Y
10503	Contact coordinate measuring machines	Y
10504	Non-contact coordinate measuring machines	Y
10505	Gauge block accessories	N
10508	Hardness indenters	N
10511	Measuring microscopes, Profile projectors	Y
10512	Micro measuring microscopes	Y
10513	Orifice plates	N
10514	Taper plug gauges	N
10515	Taper ring gauges	N
10517	Stylus type roughness testers	Y

Field Code	Item of Calibration	On-Site
10518	Socket gauges for electric bulb	N
10519	Roughness standard /comparison specimens	N
10525	Thread plug gauges	N
10526	Taper thread plug gauges	N
10527	Thread ring gauges	N
10528	Taper thread ring gauges	N
10529	V-blocks, box blocks	N
10530	Position gauges	N
10531	SEM/TEM/SPM/AFM microscopes	Y
106. Various dimensional		
10601	Inside/outside/gear tooth calipers, caliper gauges	Y
10603	Cylinder/bore gauges	Y
10604	Depth gauges, depth micrometers	Y
10605	Dial/digital gauges	Y
10606	Geodesic baselines	Y
10608	Grind gauges	N
10609	Micro indicators, test indicators	Y
10610	Micrometer heads	Y
10611	3-points, micrometers	Y
10612	Inside micrometers	Y
10613	Outside micrometers	Y
10615	Particle counters	N
10617	Standard sieves	N
10619	Water level meters	N
10620	Welding gauges	N
10621	Optical micrometers	N
201. Mass		
20102	Auto-hopper scale balances	Y
20103	Auto-packer scale balances	Y
20104	Axle weigher balances	N
20106	Dial platform scale balances	Y
20107	Dial swing scale balances	Y
20109	Electric balances	Y
20111	Manual swing scale balances	Y
20112	Platform scale balances	Y
20113	Spring scale balances	Y
20116	Weights	Y

Field Code	Item of Calibration	On-Site
202. Force		
20202	Force measuring devices	N
20203	Tension/compression testing machines	Y
20204	push-pull gauge	Y
203. Torque		
20302	Torque measuring devices	Y
20303	Torque wrenches/drivers	Y
204. Pressure		
20401	Altimeters	Y
20402	Manometers	Y
20403	Pneumatic pressure ballances	N
20404	Hydraulic pressure ballances	N
20405	Air data test systems	Y
20406	Absolute pressure gauges	Y
20407	Blood pressure gauges	Y
20408	Compound pressure gauges	Y
20409	Differential pressure gauges	Y
20411	Gauge pressure gauges	Y
20412	Pressure transducers/ transmitters	Y
20413	Dial type vacuum gauges	Y
20414	Water depth meters	Y
205. Vacuum		
20501	Capacitance diaphragm gauges	N
20502	Spinning rotor gauges	N
20503	Ionization gauges	N
20504	Thermal conductivity gauge; pirani, thermocouple, convectron, etc.	N
20505	Standard leaks, Helium leak detectors	Y
206. Volume		
20601	Volumetric glasswares	N
20602	Pycnometers	N
20603	Rain gauges	Y
20604	Standard volume vessels	Y
20605	Concrete air content meters	N
20606	Piston type volume meters	N
207. Density		
20702	Liquid density meters	N
20704	Salinity meters	N
20705	Sucrose meters	N

Field Code	Item of Calibration	On-Site
20706	Hydrometers; density, specific gravity, alcohol, API, baume, sugar, milk, soil, salinity, LPG, etc.	N
20707	Chloride meters	N
20799	Others; Solid density	N
208. Viscosity		
20801	Kinematic viscometers; capillary, etc.	N
20802	Dynamic viscometers; rotaional, etc.	Y
209. Fluid flow		
20901	Anemometers; hot-wire	N
20902	Anemometers; pitot tube, etc.	N
20908	Gas flowmeters; differential pressure	N
20909	Liquid flowmeters; differential pressure	N
20910	Liquid flowmeters; electromagnetic	N
20911	Gas flowmeters; thermal mass, etc.	N
20912	Liquid flowmeters; Coriolis, etc.	N
20914	Gas flowmeters; positive displacement	N
20915	Liquid flowmeters; positive displacement	N
20916	Gas flowmeters; turbine	N
20917	Liquid flowmeters; turbine	N
20918	Gas flowmeters; ultrasonic	N
20919	Liquid flowmeters; ultrasonic	N
20920	Gas flowmeters; variable area	N
20921	Liquid flowmeters; variable area	N
20922	Gas flowmeters; vortex	N
20923	Liquid flowmeters; vortex	N
20925	Anemometers; vane, etc	N
20999	Others; Anemometers; ultrasonic waves	N

Field Code	Item of Calibration	On-Site
210. Hardness		
21001	Brinell hardness testers	Y
21002	Rockwell hardness testers	Y
21003	Shore hardness testers	Y
21004	Vickers hardness testers	Y
21005	Durometer hardness testers	N
21006	Leeb hardness testers	Y
211. Impact		
21102	Charpy impact testers	Y
21103	Izod impact testers	Y
301. Time/frequency		
30102	Frequency standards	N
30103	General frequency sources	Y
30104	Frequency meters/counters	Y
30105	Time interval sources	Y
30106	Time interval meters /stop watches/timers	Y
302. Velocity & revolution		
30201	Standard RPM generators	Y
30202	Contact type tachometers	Y
30203	Photo tachometers /stroboscopes	Y
30204	Speed meters	Y
30205	Wow-flutter generators	N
30206	Wow-flutter meters	Y
401. DC Voltage & current		
40101	DC ammeters	Y
40102	Transconductance amplifiers	Y
40103	DC voltage/current calibrators	Y
40104	Electrical temperature calibrators	Y
40105	DC current shunts	Y
40106	Galvanometers /null detectors	Y
40107	Potentiometers	Y
40108	DC power supplies	Y
40110	DC voltage dividers	N
40111	DC voltage standards	N
40112	DC voltmeters	Y
40113	Static/ionic voltmeters	N

Field Code	Item of Calibration	On-Site
402. Resistance, Capacitance and Inductance		
40201	Capacitance bridges /indicators	Y
40202	Decade capacitors	Y
40204	Standard capacitors	Y
40205	Earth testers	Y
40206	Inductance bridges /indicators	Y
40208	Inductors	Y
40210	Insulation testers	Y
40211	Q-meters	Y
40213	Resistance bridges & similar instruments	Y
40214	Resistance meters	Y
40215	Resistors	Y
40217	Impedance bridges/LCR meters	Y
403. AC voltage, current & power		
40301	AC ammeters	Y
40302	Clamp ammeters/voltmeters	Y
40303	AC voltage/current calibrators	Y
40304	Wattmeter calibrators	Y
40305	AC current shunts	Y
40306	Phase angle generators, synchro resolve generators	N
40307	Voltage/current phase angle meters/synchro resolve meters	N
40308	Potential transformer test sets	Y
40309	Potential transformer	N
40310	Power factor meters	Y
40311	AC power meters	Y
40312	AC power supplies	Y
40313	Puncture/safety testers	Y
40314	Power recorders	Y
40315	Current transformer test sets	Y
40316	Current/turn current coil transformers	N
40318	AC voltmeters	Y
40319	Watt hour meters	Y
40321	Ratio transformers	N

Field Code	Item of Calibration	On-Site
404. Other DC & LF measurements		
40401	LF amplifiers	Y
40402	DC/LF attenuators	Y
40403	Multimeter calibrators	N
40404	Oscilloscope calibrators	N
40405	CD/DVD meters/analyzers	Y
40406	Video signal generators	Y
40407	Audio distortion analyzers /meters	Y
40408	LF filters	Y
40409	LF/audio signal analyzers	Y
40410	Line frequency meters	Y
40411	Function generators	Y
40412	Genescopes	Y
40413	AC/DC high voltage voltmeters	Y
40415	Jitter meters	Y
40416	Leakage current testers	Y
40417	Electronic AC/DC loads	Y
40418	Modulation meters	Y
40419	Analogue/digital multimeters	Y
40420	Noise meters	Y
40421	Oscilloscopes	Y
40422	LF phase meters	Y
40424	Voltage/current recorders	Y
40425	Relay test sets	Y
40426	LF signal generators	Y
40427	LF spectrum analyzers	Y
40428	Spot generators	Y
40429	Sweep generators	Y
40430	Signal transducers	Y
40432	Transistor curve tracers	Y
40434	AC/DC high voltage generators	Y
40435	AC/DC high voltage probes	Y
40436	Logic analyzers	Y
40437	Telephone testers	Y
40438	Video signal analyzers	Y
405. Low frequency electric & magnetic field		
40503	Flux meters	Y
40504	Flux sources	N
40508	Magnetometers	Y
40510	Reference/standard magnets	N

Field Code	Item of Calibration	On-Site
406. Radio frequency measurement		
40601	RF amplifiers	Y
40602	Coaxial attenuators	Y
40605	Burst pulse generators	Y
40606	Attenuator calibrators	N
40607	RF power meter calibrators	Y
40608	EMC transducers; current probes, absorbing clamps, etc.	Y
40610	Coaxial directional couplers /splitters	Y
40613	Electrostatic discharge generators	Y
40614	EMC receivers	Y
40615	RF filters	Y
40616	RF impedance meters	N
40617	RF impulse generators	Y
40618	Line impedance stabilization networks; LISN, CDN, ISN, etc.	Y
40619	Coaxial standard mismatches	Y
40621	Mobile communication test sets	Y
40622	Modulation meters	Y
40623	Network analyzers	Y
40624	Noise figure meters	Y
40625	Noise generators	N
40626	Noise impulse simulators	Y
40627	RF phase noise meters	N
40628	Coaxial noise sources	N
40635	RF power meters	Y
40636	Diode power sensors	Y
40637	Thermocouple power sensors	Y
40638	Pulse generators	Y
40639	Radar test sets	Y
40640	RF signal generators	Y
40641	RF spectrum analyzers	Y
40642	RF speed guns	Y
40643	Surge generators	Y
40644	SWR meters	N
40645	RF terminations	Y
40646	Coaxial thermistor mounts	Y
40650	RF voltmeters	Y
40651	Vector voltmeters	Y
40652	Field strength meters	Y
40653	AM/FM test sources	Y
40654	Dip simulators	Y
407. Field strength & antenna		
40702	Probes	N
40703	Dipole antennas	N
40704	Loop antennas	N
40705	Monopole antennas	N
40707	Horn antennas	N
501. Contact thermometry		
50101	Temperature generators: ovens, furnaces, isothermal liquid baths, ice-point baths, dry-block calibrators	Y
50102	Temperature indicators /recorders/controllers, temperature calibrators	Y
50103	Glass thermometers; liquid-in-glass, Beckmann	N
50104	Resistance thermometers; SPRT, IPRT, thermistors, etc.	Y
50105	Thermal expansion thermometers; bimetal, gas or liquid type	Y
50106	Thermomecouples: noble metal, base metal, pure metal, special type, etc.	Y
50107	Temperature transducers	Y
50108	Primary fixed-point cells and apparatus	N
502. Non contact thermometry		
50203	Optical pyrometers	N
50204	Standard radiation thermometers	N
50205	Thermal image apparatus	N
50206	Blackbody furnaces	Y
50207	Others; ear thermometers, etc.	N
503. Humidity		
50301	Dew-point hygrometers; chilled mirror, alumina thin film, etc.	N
50302	Relative humidity hygrometers; polimer thin film, hair, etc.	Y
50303	Psychrometers; Assmann ventilated, PRT type, etc.	N
50304	Temperature humidity recorders; hygrothermograph, etc	Y
50305	Transducers; dew-point /relative humidity	N
50306	Humidity generators; two-pressure, two-temperature, flow mixing humidity gererator, constant temperature and humidity chamber, etc.	Y
504. Moisture		
50401	Cereal moisture meters	Y
50402	Wood moisture meters	N
50403	Paper moisture meters	N
601. Sound in air		
60102	Sound calibrators	N
60104	Microphones	N
60106	Sound level meters	Y
603. Vibration		
60301	Vibration calibrators	N
60302	Vibration transducers	N
60303	Vibration measuring instruments	N
701. Photometry		
70101	Iluminance meters	N
70102	Luminance meters	N
70103	Total luminous flux meters	Y
70104	Luminous intensity meters	Y
702. Property of detectos & sources		
70202	Color temperature meters	Y
70203	Color temperature standard lamps	N
70204	Colorimeters; source color	Y
70207	Laser power meters	N
70208	Standard LED light sources	N

Field Code	Item of Calibration	On-Site	Field Code	Item of Calibration	On-Site	Field Code	Item of Calibration	On-Site
70209	Total luminous flux standard lamps	N	**703. Property of materials**			70415	Optical multimeters	Y
			70301	Colorimeters; material color	Y	70416	Optical network analyzers	Y
70210	Optical detectors	N	70304	Color standard tiles	N	70417	Optical spectrum analyzers	Y
70211	Pyranometers and pyrheliometers	N	70306	Gloss meters	Y	70418	Optical time domain reflectometers; OTDR	Y
			70307	Gloss standard plates	Y			
70213	Display color analyzers; luminance, chromaticity, white balance, etc.	Y	70308	Haze meters	Y	70423	Return loss meters	Y
			70312	Lens meters	Y	70429	Frequency stabilized lasers and LDs	Y
			70315	Optical densitometers	Y			
70214	Luminous intensity standard lamps	N	70319	Reflectance meters	Y	70430	ASE light sources	Y
			70321	Refractometers	Y	70433	Optical power stabilized lasers and LDs	Y
70215	Spectral irradiance standard lamps	N	70323	Transmittance meters	Y			
			70325	Spectrophotometers including FT-IR spectrophotometers	Y	**901. Chemical analysis**		
70216	Total spectral radiant flux standard lamps	N				90101	Breath alcohol analyzers	N
						90102	Environmental air quality monitoring instruments	Y
70217	Luminance standard sources	N	70326	Wavelength reference materials; absorption cell, bandpass filter, etc.	N			
70218	Spectral radiance standard sources	N				90103	Gas analyzers	Y
						90104	Exhaust gas test instruments	Y
70219	UV irradiance meters	N	**704. Fiber optics**			90199	Others; pH meter, Electrical conductivity meter	Y
70220	Spectral irradiance meters	Y	70402	Broadband light sources	Y			
70221	Total spectral radiant flux meters	Y	70410	Optical attenuators	Y			
			70412	Fiber-optic power meters	Y			
70222	Spectral radiance meters	Y	70413	Optical loss testers	Y			

Note

1. This laboratory provides calibration services in permanent standard laboratory and at on-site.
2. Laboratory conducts on-site calibration should meet requirements of KOLAS-SR-007.
3. On-site calibration is allowed to items with marking 'Y', not allowed to items with marking 'N'.
4. Measurement uncertainty normally is quoted as an expanded uncertainty at a coverage probability of 95 %, which usually requires the use of a coverage factor of k=2. It expresses the lowest uncertainty of measurement that can be provided by accredited calbration laboratories in normal conditions.
5. Due to the calibration environment such as reference standards or customers' facilities, it is note that uncertainty of measurement on a calibration certificate may be expressed larger than measurement uncertainty on scope of accreditation in general.

102. Linear dimension

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Balls	10201	(0.3 ~ 100) mm	$\sqrt{0.38^2 + (0.004\,6 \times l_0)^2}$ μm	Mesuring Machine, Standard/ SICT-CP-10201
Electrical/Mechanical comparators	10203	(0 ~ 5) mm	0.14 μm	Gauge Block/ SICT-CP-10203
Gauge block comparators (Differences of central length)	10204			Gauge Block/ SICT-CP-10204
Comparison		(0 ~ 10) μm	$\sqrt{24^2 + (0.33 \times l_o)^2}$ nm	
Direct		(0 ~ 10) mm	0.043 μm	
Dial/cylinder gauge testers	10206	(0 ~ 100) mm	$\sqrt{0.12^2 + (0.003\,0 \times l_o)^2}$ μm	Laser Measurement Machine/ SICT-CP-10206
Doctor blades	10207	(0 ~ 10) mm	1.6 μm	Electronic Micrometer/ SICT-CP-10207
Distance meters; electrooptic/laser/ultrasonic	10208	(0 ~ 40) m	$\sqrt{0.28^2 + (0.005 \times l_0)^2}$ mm	Laser interferometer/ SICT-CP-10208
End bars	10209	(25 ~ 1 500) mm	$\sqrt{0.6^2 + (0.001\,6 \times l_o)^2}$ μm	Linear measuring system/ SICT-CP-10209
Extensometers, linear displacement transducers	10210	(0 ~ 500) mm	$\sqrt{1.9^2 + (0.004\,2 \times l_0)^2}$ μm	Gauge Block, Laser Measurement Machine/ SICT-CP-10210
		(500 ~ 1 000) mm	$\sqrt{7.8^2 + (0.058 \times l_0)^2}$ μm	
Filler gauges	10211	(0 ~ 10) mm	1.2 μm	Mesuring Machine, Standard/ SICT-CP-10211
Film applicators	10212	(0 ~ 10) mm	1.6 μm	Electronic Micrometer/ SICT-CP-10212
Gap gauges	10213	(1 ~ 500) mm	$\sqrt{0.72^2 + (0.004\,8 \times l_0)^2}$ μm	Gauge Block, contact coordinate measuring machines/ SICT-CP-10213
Gauge blocks, by comparison	10214	(0.1 ~ 100) mm	$\sqrt{70^2 + (1.3 \times l_o)^2}$ nm	Gauge Block Comparator/ SICT-CP-10214
		(100 ~ 250) mm	$\sqrt{80^2 + (0.71 \times l_o)^2}$ nm	
		(250 ~ 500) mm	$\sqrt{152^2 + (0.71 \times l_o)^2}$ nm	
Height gauges/measuring machines	10216	(0 ~ 1 500) mm	$\sqrt{0.68^2 + (0.003\,5 \times l_0)^2}$ μm	Gauge Block, Step gauge/ SICT-CP-10216
Linear scales	10219	(0 ~ 40) m	$\sqrt{0.03^2 + (0.002\,7 \times l_0)^2}$ mm	Laser interferometer/ SICT-CP-10219
Standard measuring machines	10220	(0 ~ 500) mm	$\sqrt{0.38^2 + (0.002 \times l_0)^2}$ μm	Gauge Block/ SICT-CP-10220
Micro scales/Standard scales	10221	(0.01 ~ 1 500) mm	$\sqrt{0.17^2 + (0.000\,3 \times l_o)^2}$ μm	Linear measuring system/ SICT-CP-10221
Electronic micrometers	10223	(0 ~ 5) mm	0.14 μm	Gage Block/ SICT-CP-10223
Height micrometers, riser blocks				Gauge Block Electronic Micrometer/ SICT-CP-10224
Block	10224	(0 ~ 600) mm	$\sqrt{1.1^2 + (0.001\,9 \times l_0)^2}$ μm	
Head		(0 ~ 25) mm	1.2 μm	
Laser scan micrometers	10225	(0.5 ~ 85) mm	$\sqrt{0.46^2 + (0.003 \times l_0)^2}$ μm	Cylindrical plug/pin gauge/ SICT-CP-10225
Standard tape rules, peripheral gauges	10227	(0 ~ 40) m	$\sqrt{0.22^2 + (0.004\,6 \times l_0)^2}$ mm	Laser Measurement Machine/ SICT-CP-10227
		(40 ~ 80) m	$\sqrt{0.25^2 + (0.004\,6 \times l_0)^2}$ mm	
		(80 ~ 100) m	$\sqrt{0.34^2 + (0.004\,6 \times l_0)^2}$ mm	

Note 1. l_0 unit : mm (10208,10227 unit : m)

102. Linear dimension

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Cylindrical plug/pin gauges, Thread measuring wire gauges	10228			Mesuring Machine, Standard/ SICT-CP-10228
Cylindrical plug/pin gauges		(0.01 ~ 200) mm	$\sqrt{0.42^2 + (0.003 \times l_0)^2}$ μm	
Thread measuring wire gauges		(⌀0.1 ~ ⌀10) mm	0.41 μm	
Radius gauges	10229	(0.1 ~ 100) mm	2.8 μm	Non-contact coordinate measuring machines,
Cylindrical ring gauges	10230	(1.0 ~ 100) mm	$\sqrt{0.55^2 + (0.003\,0 \times l_0)^2}$ μm	Mesuring Machine, Standard/ SICT-CP-10230
		(100 ~ 300) mm	$\sqrt{1.0^2 + (0.003\,0 \times l_0)^2}$ μm	
Step blocks	10231	(0 ~ 300) μm	0.23 μm	Gauge Block/ SICT-CP-10231
Step gauges	10232	(0 ~ 1 510) mm	$\sqrt{0.28^2 + (0.000\,95 \times l_0)^2}$ μm	Linear measuring system/ SICT-CP-10232
Taper thickness gauges	10233	(0 ~ 60) mm	4.3 μm	Profile Projector/ SICT-CP-10223
Ultrasonic thickness gauges	10234	(2.5 ~ 100) mm	3 μm	Ultrasonic Tester Blocks/ SICT-CP-10234
Ultrasonic/coating thickness specimens	10235			Gauge Block,Mesuring Machine, Standard/
coating thickness specimens		(0.01 ~ 25) mm	1.9 μm	SICT-CP-10235
Plateness			0.8 μm	
Ultrasonic thickness specimens		(0.5 ~ 500) mm	$\sqrt{0.64^2 + (0.006 \times l_0)^2}$ μm	
Coating thickness testers	10236	(0 ~ 25) mm	1.2 μm	Thickness specimens/ SICT-CP-10236
Torque arms	10237			Gauge Block, contact coordinate measuring machines/
Torque arms		(1 ~ 1 500) mm	$\sqrt{0.60^2 + (0.006\,1 \times l_0)^2}$ μm	SICT-CP-10237
Wires		(0 ~ 5) mm	1.2 μm	
Width measuring specimens	10238			Mesuring Machine, contact coordinate measuring machines/ SICT-CP-10237
		(0 ~ 200) mm	$\sqrt{1.3^2 + (0.003\,4 \times l_0)^2}$ μm	
		(200 ~ 1 000) mm	$\sqrt{1.2^2 + (0.005\,4 \times l_0)^2}$ μm	

Note 1. l_0 unit : mm (10208,10227 unit : m)

103. Angle

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Angle gauge blocks	10302			Indexing tables/
Angle		(0 ~ 360)°	0.6"	SICT-CP-10302
Autocollimators	10303			Fine angle generators/
Angle		(-1 000 ~ 1 000)"	0.5"	SICT-CP-10303
Bevel protractors	10304			Angle Gauge Block,
Angle Accuracy		(0 ~ 360)°	0.9'	Coordnate Measur Machine/
Accessory Angle		(0 ~ 90)°	0.7'	SICT-CP-10304
Clinometers	10306			Rotary tables/
Angle		(0 ~ 360)°	3.3"	SICT-CP-10306
Collimators	10307			Total station/
Angle scale on the reticle		(-30 ~ 30)'	5"	SICT-CP-10307
Fine angle generators, level comparators	10308			Autocollimators/
Angle		±1 000"	0.4"	SICT-CP-10308
Indexing tables	10310			Polygons/
Angle		(0 ~ 360)°	0.5"	SICT-CP-10310
Plate/Square/Electric levels	10311			Fine angle generators,Rotary
Angle		(0 ~ 516)"	0.4"	tables/
		(516 ~ 1 000)"	1.2"	SICT-CP-10311
Inclino meter		(0 ~ 90)°	0.05'	
Squareness		(0 ~ 400) mm	1.8 μm	
Auto levels	10312			Calibration system for survey
Straightness of Line of Sight		(0.6 ~ ∞) m	0.03 mm	instrument, Indexing table,
Horizontal Angle		(0 ~ 360)°	1.3'	Rotary table/
Automatic level compensation range		(-30 ~ 30) °	5"	SICT-CP-10312
Penta-prisms	10314			Autocollimators/
Angle		90°	0.6"	SICT-CP-10314
Polygons	10315			Indexing tables/
Angle		(0 ~ 360)°	0.4"	SICT-CP-10315
Rotary tables	10316			Polygons/
Angle		(0 ~ 360)°	0.5"	SICT-CP-10316
Sine bars, plates, tables, centers	10317			Mesuring Machine, Standard/
(Sinebars)				SICT-CP-10317
distance,between two roller center		(100 ~ 300) mm	$\sqrt{0.36^2 + (0.002 \times l_0)^2}$ μm	
parallelism,between two roller		(100 ~ 300) mm	0.5 μm	
parallelism,between flat-two roller		(100 ~ 300) mm	0.6 μm	
(Plates)				
Center length		(100 ~ 300) mm	$\sqrt{0.12^2 + (0.028 \times l_0)^2}$ μm	
Flatness		(100 ~ 300) mm	1.0 μm	
Parallelism		(100 ~ 300) mm	1.2 μm	
Squareness testers, right angle testers	10318	(0 ~ 600) mm	2.0 μm	Cylinderical Square, Precision Square/ SICT-CP-10318
Cylindrical squares	10319	(0 ~ 300) mm	1.6 μm	Cylinderical Square/ SICT-CP-10319
		(300 ~ 600) mm	1.9 μm	
Precision squares	10320			contact coordinate measuring
Squareness		(0 ~ 600) mm	2.9 μm	machines/
Parallelism		(0 ~ 600) mm	2.0 μm	SICT-CP-10320
Theodolites, transits	10321			Calibration system for survey
Straightness of Line of Sight		(0.6 ~ ∞) m	0.09 mm	instrument, Indexing table/
Horizontal Angle		(0 ~ 360)°	1.3"	SICT-CP-10321
Vertical Angle		(-45 ~ 45)°	1.3"	

103. Angle

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Angular dislpacement transducers	10322			Rotary tables/
Angle		(0 ~ 360)°	2.9"	SICT-CP-10322
Alignment telescopes,	10323			Calibration system for survey
line of sight collimaters				instrument, Alignment telescope/
Straightness of Line of Sight		0 ~ ∞	0.022 mm	SICT-CP-10323
Optical micrometer		(0 ~ 1.2) mm	2 μm	
Calibration system for survey instruments	10324			Total station, Alignment
Straightness of Line of Sight		(0.6 ~ ∞) m	0.022 mm	telescope/
Horizontal Angle		(0 ~ 360)°	2.1"	SICT-CP-10324
Vertical Angle		(-45 ~ 45)°	2.0"	
Jig transits	10325			Calibration system for survey
Straightness of Line of Sight		(0.6 ~ ∞) m	0.09 mm	instrument, Indexing table/
Horizontal Angle		(0 ~ 360)°	1.3"	SICT-CP-10325
Vertical Angle		(-30 ~ 30)°	4.2"	
Laser levels	10326			Autocollimator, Rotary table/
Difference from absolute horizontal		(0 ~ 4)'	5"	SICT-CP-10326
Difference to vertical about absolute horizontal		(0 ~ 4)'	8"	
Automatic level compensation range		(-10 ~ 10) °	5"	
Optical wedges	10327			Autocollimator, Rotary table/
Angular value on the wedge scale		(-30 ~ 30)"	0.7"	SICT-CP-10327

104. Form

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Form testers	10401			Form Standard Specimens
Height length		(0 ~ 50) mm	1.0 μm	Gage Block, Angle Gage Block/
Width		(0 ~ 50) mm	1.4 μm	SICT-CP-10401
Angle		15° ~ 120°	2 ″	
Optical flats	10404	ø(0 ~ 60) mm	0.05 μm	Optical Flat/
Flatness		ø(60 ~ 100) mm	0.08 μm	SICT-CP-10404
Optical parallels	10405			Optical Flat,Gauge block
Flatness		ø(0 ~ 30) mm	0.05 μm	comparator/
Parallelism		ø(0 ~ 30) mm	0.07 μm	SICT-CP-10405
Parallel blocks	10406			Electronic Micrometer/
Parallelism		(0 ~ 1 000) mm	1.5 μm	SICT-CP-10406
Flatness		(0 ~ 1 000) mm	1.5 μm	
Length Difference		(0 ~ 1 000) mm	2.2 μm	
Precision surface plates	10407			Electronic Level/
Flatness		(2 000 × 2 000) mm	2.0 μm	SICT-CP-10407
		(5 000 × 5 000) mm	4.8 μm	
Profile gauges	10408			Gage Block/
		(0 ~ 5) mm	0.7 μm	SICT-CP-10408
Roundness measurement instruments	10409			Roundness Standard Ball/
Detoctor accuracy		(0 ~ 20) μm	0.51 μm	SICT-CP-10409
Rotational accuracy of spindle		360°	0.03 μm	
Rotational accuracy of axis		360°	0.04 μm	
Form standard specimens	10410			Standard measuring machine,
Height		(0 ~ 50) mm	0.9 μm	Non-contact coordinate measuring
Width		(0 ~ 100) mm	$\sqrt{0.59^2 + (0.007\,9 \times l_o)^2}$ μm	machine/
Radius		(2.5 ~ 10) mm	1.0 μm	SICT-CP-10410
		(10 ~ 50) mm	1.4 μm	
Angle		(0 ~ 90)°	0.007°	
Roundness standard/roundness magnification	10411			Roundness Tester/
standard specimens				SICT-CP-10411
Standard specimens		(0 ~ 300) μm	0.52 μm	
Standard ball		360°	0.08 μm	
Straight edges	10412			Electronic levels/
Straightness		(0 ~ 2 000) mm	1.8 μm	SICT-CP-10412
Parallelism		(0 ~ 2 000) mm	1.8 μm	
Straight rules	10413			LASER INTERFEROMETER/
Length		(0 ~ 2 000) mm	0.10 mm	SICT-CP-10413
Test bars	10415			Roundness Tester,Electronic
Roundness		(0 ~ 400) mm	0.6 μm	Micrometer/
Cylindricity		(0 ~ 400) mm	0.6 μm	SICT-CP-10415
Run-out		(0 ~ 400) mm	1.1 μm	
Spherometers	10416			Gauge Block/
		(0 ~ 30) mm	0.3 μm	SICT-CP-10416

Note 1. l_o unit : mm

105. Complex geometry

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Base gauges for electric bulb	10501			Mesuring Machine, Standard/
Inside diameter of pass/stop and screw		(1 ~ 50) mm	$\sqrt{0.47^2 + (0.002\ 8 \times l_0)^2}$ μm	SICT-CP-10501
Pitch		(0.3 ~ 10) mm	1.6 μm	
Bench centers	10502			Test Bar/
Difference of both center		(0 ~ 200) mm	1.8 μm	SICT-CP-10502
		(200 ~ 500) mm	3.4 μm	
Flatness of both bed		(0 ~ 500) mm	1.5 μm	
Center height difference		(0 ~ 200) mm	1.8 μm	
		(200 ~ 500) mm	3.4 μm	
Contact coordinate measuring machines	10503			Step Gauge/
		(0 ~ 1 500) mm	$\sqrt{0.56^2 + (0.004\ 4 \times l_0)^2}$ μm	SICT-CP-10503
		(0 ~ 600) mm	3.2 μm	
		(0 ~ 600) mm	1.2 μm	
Non-contact coordinate measuring machines	10504	(0 ~ 1 000) mm	$\sqrt{0.43^2 + (0.003\ 4 \times l_0)^2}$ μm	Standard Scale/ SICT-CP-10504
Gauge block accessories	10505			Gauge Block/
Round the ministry of Justice		(0 ~ 50) mm	$\sqrt{0.32^2 + (0.004\ 4 \times l_0)^2}$ μm	SICT-CP-10505
A he ministry of Justice,Base block		(0 ~ 50) mm	$\sqrt{0.26^2 + (0.004\ 4 \times l_0)^2}$ μm	
Center point		(0 ~ 20) mm	1.1 μm	
Plane figure		(0 ~ 50) mm	0.04 μm	
Parallelism(triangle edge)		(0 ~ 300) mm	0.4 μm	
Parallelism(equilibrium tide)		(0 ~ 150) mm	0.4 μm	
Hardness indenters	10508			Standard measuring machine,
Diameter		(1 ~ 13) mm	0.5 μm	Non-contact coordinate measuring
Radius		(0.2 ~ 6) mm	1.0 μm	machine/
Angle		(0 ~ 173)°	0.012 °	SICT-CP-10410
Measuring microscopes, Profile projectors	10511			Standard Scale/
Length		(0 ~ 500) mm	$\sqrt{0.43^2 + (0.003\ 4 \times l_0)^2}$ μm	SICT-CP-10511
Magnification		(5 ~ 100) 배	0.04 %	
Angle		(0 ~ 360) °	0.9'	
Micro measuring microscopes	10512			Standard Scale/
		(0 ~ 1) mm	0.7 μm	SICT-CP-10512
		(1 ~ 50) mm	3.0 μm	
Orifice plates	10513			Standard measuring machine/
Inside diameter		(12.7 ~ 100) mm	$\sqrt{0.55^2 + (0.003\ 0 \times l_o)^2}$ μm	SICT-CP-10513
		(100 ~ 300) mm	$\sqrt{1.0^2 + (0.003\ 0 \times l_o)^2}$ μm	
Thickness		(0 ~ 15) mm	0.6 μm	
Taper plug gauges	10514			Measuring Machine, Standard/
Small end diameter		(2 ~ 200) mm	$\sqrt{1.3^2 + (0.004\ 1 \times l_0)^2}$ μm	SICT-CP-10514
Big end diameter		(2 ~ 200) mm	$\sqrt{1.4^2 + (0.004\ 1 \times l_0)^2}$ μm	
Plane angle		(0 ~ 90) °	5.9"	
Gage height		(2 ~ 200) mm	$\sqrt{1.2^2 + (0.004\ 4 \times l_0)^2}$ μm	
Taper ring gauges	10515			contact coordinate measuring
Small end diameter		(5 ~ 200) mm	2.5 μm	machines/
Big end diameter		(5 ~ 200) mm	2.5 μm	SICT-CP-10515
Plane angle		(0 ~ 90) °	0.006°	

Note 1. l_0 unit : mm

105. Complex geometry

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Stylus type roughness testers	10517			Roughness Specimen/
Rounghness parameter(Ra)		(0 ~ 2) μm	9 nm	SICT-CP-10517
		(2 ~ 10) μm	24 nm	
Rounghness parameter(Rz)		(0 ~ 7) μm	77 nm	
		(7 ~ 30) μm	0.27 μm	
Mean width(RSm)		(0 ~ 300) μm	1.3 μm	
H,D		(0 ~ 6) μm	63 nm	
		(6 ~ 20) μm	97 nm	
Socket gauges for electric bulb	10518			Mesuring Machine, Standard/
Outside diameter of pass/stop and screw		(1 ~ 50) mm	$\sqrt{0.44^2 + (0.002\,8 \times l_o)^2}$ μm	SICT-CP-10518
Pitch		(0.3 ~ 10) mm	1.6 μm	
Roughness standard/comparison specimens	10519			Roughness Tester/
Depth(H)		(0 ~ 6) μm	$\sqrt{(9.6 \times R)^2 + 12^2}$ nm	SICT-CP-10519
		(6 ~ 20) μm	$\sqrt{(8.94 \times R)^2 + 15^2}$ nm	
Mean width(RSm)		(0 ~ 300) μm	$\sqrt{(0.01 \times R)^2 + 0.51^2}$ μm	
Rounghness parameter(Ra)		(0 ~ 2) μm	$\sqrt{(10 \times R)^2 + 2.6^2}$ nm	
		(2 ~ 10) μm	$\sqrt{(9.2 \times R)^2 + 7.4^2}$ nm	
Rounghness parameter(Rz)		(0 ~ 7) μm	$\sqrt{(29.2 \times R)^2 + 7.4^2}$ nm	
		(7 ~ 30) μm	$\sqrt{(0.025 \times R)^2 + 0.096^2}$ μm	
Thread plug gauges	10525			Measuring Machine, Standard/
Outside diameter		(1 ~ 205) mm	1.7 μm	SICT-CP-10525
Effective diameter		(1 ~ 210) mm	1.1 μm	
Pitch		(0.3 ~ 10) mm	1.2 μm	
Half angle		(0.5 ~ 45) °	2'	
Taper thread plug gauges	10526			Measuring Machine, Standard/
Half angle		(0 ~ 45) °	2'	SICT-CP-10526
Pitch		(0.3 ~ 6) mm	1.3 μm	
Gage length		(2 ~ 50) mm	2.6 μm	
Notch length		(2 ~ 50) mm	3.6 μm	
Small outside diameter		(2 ~ 200) mm	2.3 μm	
Big outside diameter		(2 ~ 200) mm	4.8 μm	
Small effective diameter		(2 ~ 200) mm	2.9 μm	
Big effective diameter		(2 ~ 200) mm	5.1 μm	
Thread ring gauges	10527			Measuring Machine, Standard/
Minor diameter		(3 ~ 200) mm	1.5 μm	SICT-CP-10527
Effective diameter		(3 ~ 200) mm	2.3 μm	
Pitch		(0.3 ~ 10) mm	1.6 μm	
Taper thread ring gauges	10528			Measuring Machine, Standard/
Alternation		±3 mm	2.7 μm	SICT-CP-10528
Thinkness		(0 ~ 100) mm	2.3 μm	
Notch length		(0 ~ 100) mm	3.2 μm	
V-blocks, box blocks	10529			contact coordinate measuring
Plane figure		(5 ~ 300) mm	1.7 μm	machines/
Parallelism		(5 ~ 300) mm	2.0 μm	SICT-CP-10529
Difference of both part		(5 ~ 300) mm	2.8 μm	
Position gauges	10530			Contact coordinate measuring
Distance		(0 ~ 1 000) mm	$\sqrt{4.9^2 + (0.005\,4 \times l)^2}$ μm	machine/
Diameter		(2 ~ 12) mm	$\sqrt{2.4^2 + (0.002\,8 \times l)^2}$ μm	SICT-CP-10530
		(12 ~ 200) mm	$\sqrt{3.3^2 + (0.002\,8 \times l)^2}$ μm	
Angle		(0 ~ 360) °	5.2″	
SEM/TEM/SPM/AFM microscopes	10531			Magnification reference specimen/
Magnification		(5 ~ 100)×	0.003 5	SICT-CP-10531
		(100 ~ 500 000)×	0.003 0	

Note 1. l_0 unit : mm, R unit : μm

106. Various dimensional

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Inside/outside/gear tooth calipers, caliper gauges	10601			Gauge Block/ SICT-CP-10601
Inside/Outside calipers		(0 ~ 2 000) mm	$\sqrt{8.2^2 + (0.007 \times l_0)^2}$ μm	
Caliper gauges		(0 ~ 300) mm	$\sqrt{3.7^2 + (0.003\,2 \times l_0)^2}$ μm	
Cylinder/bore gauges	10603			Dial Gauge Tester/
Cylinder gauges		(0 ~ 1 000) mm	1.0 μm	SICT-CP-10603
Hole gauges		(0.1 ~ 25) mm	3.3 μm	
Depth gauges, depth micrometers	10604			Gauge Block/
Depth micrometers		(0 ~ 300) mm	$\sqrt{0.86^2 + (0.003\,4 \times l_0)^2}$ μm	SICT-CP-10604
Depth gauges		(0 ~ 1 000) mm	$\sqrt{5.9^2 + (0.004\,8 \times l_0)^2}$ μm	
Dial/digital gauges	10605			Dial Gauge Tester/
		(0 ~ 100) mm	$\sqrt{0.21^2 + (0.008\,2 \times l_0)^2}$ μm	
		(0 ~ 25) mm	$\sqrt{0.59^2 + (0.004 \times l_0)^2}$ μm	
Geodesic baselines	10606			Total station/
		(5 ~ 280) m	$\sqrt{1.7^2 + 0.003\,3^2 \times l^2}$ mm	SICT-CP-10606
Grind gauges	10608			Electronic micrometer/
Depth		(0 ~ 1) mm	1.8 μm	SICT-CP-10608
Straightness		(0 ~ 150) mm	2.5 μm	
Micro indicators, test indicators	10609			Dial Gauge Tester/
		(0 ~ 5) mm	0.22 μm	SICT-CP-10609
Micrometer heads	10610	(0 ~ 50) mm	0.8 μm	Gauge Block/ SICT-CP-10610
3-points, Micrometers	10611	(2 ~ 200) mm	$\sqrt{1.3^2 + (0.003\,4 \times l_0)^2}$ μm	Ring Gauge/ SICT-CP-10611
		(200 ~ 300) mm	3 μm	
Inside micrometers	10612			Gauge Block/
Length		(5 ~ 300) mm	$\sqrt{1.1^2 + (0.004\,2 \times l_0)^2}$ μm	SICT-CP-10612
Accuracy of scale		(25 ~ 500) mm	$\sqrt{1.1^2 + (0.004\,2 \times l_0)^2}$ μm	
Extension rod		(13 ~ 500) mm	$\sqrt{1.2^2 + (0.004\,8 \times l_0)^2}$ μm	
Outside micrometers	10613			Gauge Block, cylinderical plug gauges/
Outside micrometers		(0 ~ 25) mm	$\sqrt{0.2^2 + (0.003 \times l_0)^2}$ μm	SICT-CP-10613
		(25 ~ 1 000) mm	$\sqrt{0.83^2 + (0.003 \times l_0)^2}$ μm	
V-anvil micrometers		(1 ~ 85) mm	0.8 μm	
Particle counters	10615			
(Air)		(0.1 ~ 1) μm		Particle calibration system/
Flow		(0 ~ 100) L/min	0.09 L/min	SICT-CP-10615
Threshold voltage		(0 ~ 10) V	0.42 mV	
Counting efficiency		(0 ~ 110) %	4.1 %	
(Liquid)		(0.05 ~ 25) μm		
Flow		(0 ~ 100) mL/min	1.4 mL/min	
Threshold voltage		(0 ~ 10) V	0.42 mV	

Note 1. l_0 unit : mm (10606 unit : m)

106. Various dimensional

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Standard sieves	10617			Non-contact coordinate
Sieve opening		(0.004 ~ 10) mm	1.5 μm	measuring machines/
Wire rod diameter		(0.004 ~ 130) mm	2.4 μm	SICT-CP-10617
Water level meters	10619			Laser distance meter/
		(0.05 ~ 6.5) m	1.6 mm	SICT-CP-10619
Welding gauges	10620			Non-contact coordinate
Height or depth		(0 ~ 100) mm	8.2 μm	measuring machine,Gauge Block/
Rule		(0 ~ 100) mm	6.0 μm	SICT-CP-10620
Angle		(0 ~ 90)°	0.7'	
Optical micrometers	10621			Standard Scale/
Optical axis shift		(0 ~ 1.2) mm	2 μm	SICT-CP-10621
		(1.2 ~ 5) mm	3 μm	
		(5 ~ 10) mm	0.03 mm	

201. Mass

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Auto-hopper scale balances	20102			Hopper Scale Weight/
		(0 ~ 10) kg	1.2 g	SICT-CP-20102
		(10 ~ 50) kg	14 g	
		(50 ~ 200) kg	21 g	
		(200 ~ 500) kg	49 g	
		(500 ~ 1 000) kg	0.10 kg	
Auto-packer scale balances	20103			Weight/
		(0 ~ 10) kg	0.8 g	SICT-CP-20103
		(10 ~ 50) kg	7.7 g	
		(50 ~ 200) kg	16 g	
Axle weigher balances	20104			Force Calibration Machine/
Portable		(100 ~ 500) kg	0.2 kg	SICT-CP-20104
		(500 ~ 1 000) kg	0.4 kg	
		(1 000 ~ 2 000) kg	1 kg	
		(2 000 ~ 5 000) kg	5 kg	
		(5 000 ~ 10 000) kg	10 kg	
		(10 000 ~ 30 000) kg	24 kg	
Dial platform scale balances	20106			Weight/
		(0 ~ 30) kg	42 g	SICT-CP-20106
		(30 ~ 60) kg	0.08 kg	
		(60 ~ 100) kg	0.21 kg	
Dial swing scale balances	20107			Weight/
		(0 ~ 1) kg	0.96 g	SICT-CP-20107
		(1 ~ 10) kg	9.6 g	
		(10 ~ 20) kg	20 g	
		(20 ~ 50) kg	48 g	
		(50 ~ 100) kg	96 g	
		(100 ~ 200) kg	0.23 kg	
		(200 ~ 500) kg	0.48 kg	
		(500 ~ 1 000) kg	0.96 kg	
		(1 000 ~ 2 000) kg	1.9 kg	
		(2 000 ~ 5 000) kg	4.6 kg	
Electric balances	20109			Weight/
		(0 ~ 2) g	7.0 µg	SICT-CP-20109
		(2 ~ 6) g	9.3 µg	
		(6 ~ 20) g	14 µg	
		(20 ~ 50) g	19 µg	
		(50 ~ 100) g	29 µg	
		(100 ~ 200) g	0.05 mg	
		(200 ~ 500) g	0.10 mg	
		(500 ~ 1 000) g	0.20 mg	
		(1 ~ 2) kg	0.5 mg	
		(2 ~ 5) kg	1.0 mg	
		(5 ~ 10) kg	3 mg	
		(10 ~ 25) kg	6 mg	
		(25 ~ 40) kg	16 mg	
		(40 ~ 60) kg	24 mg	
		(60 ~ 150) kg	0.30 g	
		(150 ~ 600) kg	1.2 g	
		(600 ~ 1 000) kg	2.0 g	
		(1 000 ~ 2 000) kg	38 g	
		(2 000 ~ 5 000) kg	0.10 kg	

201. Mass

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Manual swing scale balances	20111			Weight/
		(0 ~ 50) kg	38 g	SICT-CP-20111
		(50 ~ 200) kg	0.19 kg	
		(200 ~ 500) kg	0.38 kg	
		(500 ~ 1 000) kg	0.94 kg	
Platform scale balances	20112			Weight/
		(0 ~ 200) kg	46 g	SICT-CP-20112
		(200 ~ 500) kg	0.09 kg	
		(500 ~ 1 000) kg	0.46 kg	
Spring scale balances	20113			Weight/
		(0 ~ 10) kg	21 g	SICT-CP-20113
		(10 ~ 50) kg	0.08 kg	
		(50 ~ 100) kg	0.21 kg	
Weights	20116			Weights, Mass Comparator/
		(1 mg ~ 20 kg)	(Class E2)	SICT-CP-20116
		1 mg	1.0 µg	
		2 mg	1.0 µg	
		5 mg	1.0 µg	
		10 mg	1.0 µg	
		20 mg	1.2 µg	
		50 mg	1.4 µg	
		100 mg	1.7 µg	
		200 mg	2.3 µg	
		500 mg	2.9 µg	
		1 g	3.5 µg	
		2 g	4.6 µg	
		5 g	5.8 µg	
		10 g	7.0 µg	
		20 g	9.3 µg	
		50 g	12 µg	
		100 g	18 µg	
		200 g	36 µg	
		500 g	95 µg	
		1 kg	0.12 mg	
		2 kg	0.36 mg	
		5 kg	0.94 mg	
		10 kg	1.8 mg	
		20 kg	3.7 mg	
		(20 ~ 100) kg	(Class F2)	
		50 kg	0.12 g	
		100 kg	0.21 g	
		(100 ~ 200) kg	(Class M1)	
		200 kg	1.0 g	
		(200 ~ 1 000) kg	(Class F2)	
		500 kg	1.3 g	
		1 000 kg	2.1 g	

202. Force

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Force measuring devices	20202			Force Calibration Machine/
Force		(0.4 ~ 20) N	6.0×10^{-4}	SICT-CP-20202
		(20 ~ 50) N	8.4×10^{-5}	
		(50 ~ 100) N	8.5×10^{-5}	
		(100 ~ 200) N	7.3×10^{-5}	
		(200 ~ 500) N	6.9×10^{-5}	
		(0.5 ~ 1) kN	9.2×10^{-5}	
		(1 ~ 2) kN	9.0×10^{-5}	
		(2 ~ 5) kN	8.4×10^{-5}	
		(5 ~ 10) kN	8.7×10^{-5}	
		(10 ~ 20) kN	3.6×10^{-4}	
		(20 ~ 50) kN	4.1×10^{-4}	
		(50 ~ 100) kN	4.8×10^{-4}	
		(100 ~ 200) kN	4.5×10^{-4}	
		(200 ~ 500) kN	4.3×10^{-4}	
		(500 ~ 1 000) kN	4.5×10^{-4}	
Tension/compression testing machines	20203			Weights, Force Measuring Device/
tensile		0.1 N ~ 2 kN	1.2×10^{-3}	SICT-CP-20203
		(2 ~ 5) kN	1.3×10^{-3}	
		(5 ~ 10) kN	1.4×10^{-3}	
		(10 ~ 20) kN	1.5×10^{-3}	
		(20 ~ 50) kN	1.4×10^{-3}	
		(50 ~ 100) kN	1.5×10^{-3}	
		(100 ~ 300) kN	1.4×10^{-3}	
compression		(0.1 ~ 50) N	1.2×10^{-3}	
		(50 ~ 100) N	1.5×10^{-3}	
		(100 ~ 200) N	1.3×10^{-3}	
		(200 ~ 500) N	1.4×10^{-3}	
		(0.5 ~ 1) kN	1.3×10^{-3}	
		(1 ~ 2) kN	1.4×10^{-3}	
		(2 ~ 5) kN	1.3×10^{-3}	
		(5 ~ 10) kN	1.4×10^{-3}	
		(10 ~ 20) kN	1.5×10^{-3}	
		(20 ~ 50) kN	1.4×10^{-3}	
		(50 ~ 100) kN	1.5×10^{-3}	
		(100 ~ 300) kN	1.4×10^{-3}	
		(300 ~ 500) kN	1.5×10^{-3}	
		(500 ~ 1 000) kN	1.4×10^{-3}	
		(1 000 ~ 3 000) kN	1.6×10^{-3}	
push-pull gauge	20204			Weights,
Force		(0.02 ~ 0.2) N	1.4×10^{-2}	Force Calibration Machine/
		0.2 N ~ 2 kN	1.3×10^{-3}	SICT-CP-20204
		(2 ~ 5) kN	8.4×10^{-4}	

203. Torque

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Torque measuring devices	20302			Torque Calibration Machine/
Torque		(0.001 ~ 1) N·m	3.3×10^{-3}	SICT-CP-20302
		(1 ~ 10) N·m	4.1×10^{-4}	
		(10 ~ 20) N·m	7.5×10^{-4}	
		(20 ~ 50) N·m	2.3×10^{-4}	
		(50 ~ 100) N·m	3.4×10^{-4}	
		(100 ~ 200) N·m	2.1×10^{-4}	
		(200 ~ 500) N·m	2.2×10^{-4}	
		(500 ~ 1 000) N·m	1.5×10^{-4}	
		(1 000 ~ 2 000) N·m	1.6×10^{-4}	
Torque wrenches/drivers	20303			Torque Measuring Device/
Torque		(0.02 ~ 0.1) N·m	1.4×10^{-2}	SICT-CP-20303
		(0.1 ~ 0.5) N·m	9.5×10^{-3}	
		(0.5 ~ 1) N·m	7.8×10^{-3}	
		(1 ~ 2) N·m	6.2×10^{-3}	
		(2 ~ 5) N·m	4.6×10^{-3}	
		(5 ~ 10) N·m	4.5×10^{-3}	
		(10 ~ 20) N·m	4.7×10^{-3}	
		(20 ~ 50) N·m	4.5×10^{-3}	
		(50 ~ 100) N·m	4.9×10^{-3}	
		(100 ~ 200) N·m	3.8×10^{-3}	
		(200 ~ 500) N·m	3.7×10^{-3}	
		(500 ~ 1 000) N·m	3.8×10^{-3}	
		(1 000 ~ 2 000) N·m	2.8×10^{-3}	

204. Pressure

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Altimeters	20401			Digital Manometer, Air Dead Weight Tester/ SICT-CP-20401
		(-4 000 ~ 20 000) m	12 m	
		(20 000 ~ 47 000) m	15 m	
Manometers	20402			Digital Manometer, Air Dead Weight Tester/ SICT-CP-20402
		(0 ~ 200) kPa	2.9×10^{-3}	
Pneumatic pressure ballances	20403			Dead Weight Tester/ SICT-CP-20403
		(5 ~ 7 000) kPa	4.2×10^{-5}	
Hydraulic pressure ballances	20404			Dead Weight Tester/ SICT-CP-20404
		(0.2 ~ 20) MPa	6.4×10^{-5}	
		(20 ~ 200) MPa	7.0×10^{-5}	
Air data test systems	20405			Digital Manometer, Air Dead Weight Tester/ SICT-CP-20405
Static pressure		(-2 500 ~ 20 000) m	0.8 m	
		(20 000 ~ 30 500) m	7 m	
Dynamic pressure		(0 ~ 342) km/hr	0.1 km/hr	
		(342 ~ 2 122) km/hr	0.3 km/hr	
Absolute pressure gauges	20406			Digital Manometer, Air Dead Weight Tester/ SICT-CP-20406
Dial, digital		(5 ~ 350) kPa abs	4.0×10^{-5}	
		(350 ~ 7 000) kPa abs	4.3×10^{-5}	
		(7 ~ 200) MPa abs	7.4×10^{-5}	
Blood pressure gauges	20407			Digital Manometer/ SICT-CP-20407
		(0 ~ 40) kPa	0.01 kPa	
Compound pressure gauges	20408			Air Dead Weight Tester/ SICT-CP-20408
		(-95 ~ 7 000) kPa	4.4×10^{-5}	
Differential pressure gauges	20409			Digital Manometer, Air Dead Weight Tester/ SICT-CP-20409
		(0 ~ 500) Pa	0.10 Pa	
		(500 ~ 5 000) Pa	1.0 Pa	
		(5 ~ 350) kPa	4.2×10^{-5}	
		(350 ~ 7 000) kPa	4.6×10^{-5}	
Gauge pressure gauges	20411			Digital Manometer, Air Dead Weight Tester, Oil Dead Weight Tester/ SICT-CP-20411
		(0 ~ 500) Pa	0.10 Pa	
		(500 ~ 5 000) Pa	1.0 Pa	
		(5 ~ 350) kPa	4.2×10^{-5}	
		(350 ~ 7 000) kPa	4.6×10^{-5}	
		(7 ~ 200) MPa	8.6×10^{-5}	
		(200 ~ 500) MPa	2.6×10^{-4}	
Pressure transducers/transmitters	20412			Digital Manometer, Air Dead Weight Tester, Oil Dead Weight Tester/ SICT-CP-20412
Absolute pressure		(5 ~ 5 000) kPa abs	2.2×10^{-4}	
		(5 ~ 200) MPa abs	2.4×10^{-4}	
Gauge pressure		(0 ~ 500) Pa	0.10 Pa	
		(500 ~ 5 000) Pa	1.0 Pa	
		(5 ~ 5 000) kPa	2.2×10^{-4}	
		(5 ~ 500) MPa	2.4×10^{-4}	
Dial type vacuum gauges	20413			Air Dead Weight Tester, SICT-CP-20413
		(-95 ~ 0) kPa	0.059 kPa	
Water depth meters	20414			Digital Manometer/ SICT-CP-20414
		(0 ~ 198.12) m	0.062 m	
		(198.12 ~ 350.52) m	0.46 m	

205. Vacuum

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Capacitance diaphragm gauges	20501			Baratron gauge, SRG /
Vacuum		(0.133 ~ 13.3) Pa abs	0.051 Pa abs	SICT-CP-20501
		(13.3 ~ 133.3) Pa abs	0.49 Pa abs	
		(133.3 ~ 1 333) Pa abs	1.5 Pa abs	
		(1.333 ~ 13.332) kPa abs	12 Pa abs	
		(13.332 ~ 133.322) kPa abs	17 Pa abs	
Spinning rotor gauges	20502			Baratron gauge, SRG /
Vacuum		0.15 mPa abs ~ 0.01 Pa abs	3.4×10^{-2}	SICT-CP-20502
Ionization gauges	20503			Baratron gauge, SRG, Ion /
Vacuum		0.093 mPa abs ~ 0.15 mPa abs	6.0×10^{-2}	SICT-CP-20503
		0.15 mPa abs ~ 0.01 Pa abs	3.5×10^{-2}	
Thermal conductivity gauges;	20504			Baratron gauge, SRG /
pirani, thermocouple, convectron, etc.				SICT-CP-20504
Vacuum		(0.133 ~ 13.3) Pa abs	0.051 Pa abs	
		(13.3 ~ 133.3) Pa abs	0.49 Pa abs	
		(133.3 ~ 1 333) Pa abs	1.5 Pa abs	
		(1.333 ~ 13.332) kPa abs	13 Pa abs	
		(13.332 ~ 133.322) kPa abs	17 Pa abs	
Standard leaks, Helium leak dectors	20505			Standard leaks, Helium leak
Leak		22.0 μPa m^3/s	4.8 μPa m^3/s	dectors /
		1.60 μPa m^3/s	0.38 μPa m^3/s	SICT-CP-20505
		0.51 μPa m^3/s	0.098 μPa m^3/s	
		15.0 nPa m^3/s	3.2 nPa m^3/s	
		6.4 nPa m^3/s	1.3 nPa m^3/s	
		0.24 nPa m^3/s	0.049 nPa m^3/s	

206. Volume

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Volumetric glasswares	20601			Weight,balances / SICT-CP-20601
		(0 ~ 0.1) ml	0.31 μl	
		(0.1 ~ 0.5) ml	0.40 μl	
		(0.5 ~ 1) ml	0.43 μl	
		(1 ~ 2) ml	1.1 μl	
		(2 ~ 5) ml	1.7 μl	
		(2 ~ 10) ml	2.5 μl	
		(10 ~ 25) ml	4.3 μl	
		(25 ~ 50) ml	5.1 μl	
		(50 ~ 100) ml	7.9 μl	
		(100 ~ 200) ml	13 μl	
		(200 ~ 250) ml	43 μl	
		(250 ~ 500) ml	69 μl	
		(500 ~ 1 000) ml	92 μl	
		(1 000 ~ 2 000) ml	0.17 ml	
		(2 000 ~ 5 000) ml	0.49 ml	
		(5 000 ~ 10 000) ml	0.87 ml	
Pycnometers	20602			Weight,balances / SICT-CP-20602
		(0 ~ 50) ml	2.4 μl	
		(50 ~ 100) ml	4.4 μl	
		(100 ~ 250) ml	10 μl	
		(250 ~ 500) ml	21 μl	
Rain gauges	20603			Weight,balances / SICT-CP-20603
		tipping bucket type : Rainfall intensity : (5 ~ 300) mm/h		
		(0.1 ~ 1) mm	1.2×10^{-3}	
		standard type :		
		(0.1 ~ 10) mm	0.021 mm	
		(10 ~ 50.8) mm	0.054 mm	
		(50.8 ~ 178) mm	0.30 mm	
Standard volume vessels	20604			Balances,Master Meter, Standard volume vessel/ SICT-CP-20604
		(0 ~ 20) L	9.0×10^{-5}	
		(20 ~ 200) L	1.3×10^{-4}	
		(200 ~ 10 000) L	1.1×10^{-3}	
Concrete air content meters	20605			Weight,balances / SICT-CP-20605
		(0 ~ 10) %	0.032 %	
Piston type volume meters	20606			Weight,balances / SICT-CP-20606
		(0 ~ 1) μl	0.004 μl	
		(1 ~ 2) μl	0.005 μl	
		(2 ~ 5) μl	0.006 μl	
		(5 ~ 10) μl	0.008 μl	
		(0.01 ~ 0.02) ml	0.018 μl	
		(0.02 ~ 0.05) ml	0.035 μl	
		(0.05 ~ 0.1) ml	0.047 μl	
		(0.1 ~ 0.2) ml	0.14 μl	
		(0.2 ~ 0.5) ml	0.35 μl	
		(0.5 ~ 1) ml	0.65 μl	
		(1 ~ 2) ml	1.6 μl	
		(2 ~ 5) ml	1.9 μl	
		(5 ~ 10) ml	2.4 μl	
		(10 ~ 20) ml	5.0 μl	
		(20 ~ 50) ml	14 μl	
		(50 ~ 100) ml	64 μl	

207. Density

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Liquid density meters	20702	(0.7 ~ 1.4) g/㎤	0.000 078 g/㎤	Density standard meterials/ SICT-CP-20702
Salinity meters	20704	(0 ~ 10) % (10 ~ 26) %	0.004 % 0.007 %	NaCl/ SICT-CP-20704
Sucrose meters	20705	(0 ~ 20) % (20 ~ 60) % (60 ~ 80) %	0.014 % 0.016 % 0.025 %	Sucrose/ SICT-CP-20705
Hydrometers; density, specific gravity, alcohol, API, baume, sugar, milk, soil, salinity, LPG, etc.	20706			
density		(0.600 ~ 0.700) g/cm^3	0.000 035 g/cm^3	Solid density standard meterial, Hydrostatic weighing Apparatus/ SICT-CP-20706-1
		(0.700 ~ 0.800) g/cm^3	0.000 038 g/cm^3	
		(0.800 ~ 0.900) g/cm^3	0.000 042 g/cm^3	
		(0.900 ~ 1.000) g/cm^3	0.000 046 g/cm^3	
		(1.000 ~ 1.100) g/cm^3	0.000 050 g/cm^3	
		(1.100 ~ 1.200) g/cm^3	0.000 055 g/cm^3	
		(1.200 ~ 1.300) g/cm^3	0.000 059 g/cm^3	
		(1.300 ~ 1.400) g/cm^3	0.000 066 g/cm^3	
		(1.400 ~ 1.500) g/cm^3	0.000 071 g/cm^3	
		(1.500 ~ 1.600) g/cm^3	0.000 075 g/cm^3	
		(1.600 ~ 1.700) g/cm^3	0.000 079 g/cm^3	
		(1.700 ~ 1.800) g/cm^3	0.000 084 g/cm^3	
		(1.800 ~ 1.900) g/cm^3	0.000 088 g/cm^3	
		(1.900 ~ 2.000) g/cm^3	0.000 093 g/cm^3	
		(2.000 ~ 2.200) g/cm^3	0.000 25 g/cm^3	
		(2.200 ~ 3.000) g/cm^3	0.000 28 g/cm^3	
		(3.000 ~ 3.600) g/cm^3	0.000 30 g/cm^3	
		(3.600 ~ 4.000) g/cm^3	0.000 32 g/cm^3	
specific gravity		0.590 ~ 0.700	0.000 068	Solid density standard meterial, Hydrostatic weighing Apparatus/ SICT-CP-20706-2
		0.700 ~ 0.800	0.000 069	
		0.800 ~ 0.900	0.000 072	
		0.900 ~ 1.000	0.000 075	
		1.000 ~ 1.100	0.000 078	
		1.100 ~ 1.200	0.000 082	
		1.200 ~ 1.300	0.000 086	
		1.300 ~ 1.400	0.000 091	
		1.400 ~ 1.500	0.000 096	
		1.500 ~ 1.600	0.000 10	
		1.600 ~ 1.800	0.000 11	
		1.800 ~ 2.000	0.000 12	
		2.000 ~ 2.020	0.000 26	
		2.020 ~ 2.500	0.000 60	
		2.500 ~ 3.000	0.000 61	

* 20704, 20705, 20706, 20707 unit % is weight percent.

207. Density

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Hydrometers; density, specific gravity, alcohol, API, baume, sugar, milk, soil, salinity, LPG, etc.	20706			
alcohol		(0 ~ 10) %	0.039 %	Solid density standard
(Volumn)		(10 ~ 30) %	0.043 %	meterial,
		(30 ~ 40) %	0.038 %	Hydrostatic weighing Apparatus/
		(40 ~ 50) %	0.030 %	SICT-CP-20706-3
		(50 ~ 60) %	0.025 %	
		(60 ~ 70) %	0.023 %	
		(70 ~ 80) %	0.020 %	
		(80 ~ 90) %	0.019 %	
		(90 ~ 100) %	0.017 %	
API		-1 ~ 51	0.013	Solid density standard
		51 ~ 101	0.014	meterial,
				Hydrostatic weighing Apparatus/
				SICT-CP-20706-4
Baumé-light		10 ~ 30	0.015	Solid density standard
		30 ~ 40	0.016	meterial,
		40 ~ 60	0.018	Hydrostatic weighing Apparatus/
		60 ~ 70	0.019	
		70 ~ 100	0.12	SICT-CP-20706-5
Baumé - heavy		0 ~ 40	0.014	Solid density standard
		40 ~ 75	0.013	meterial,
				Hydrostatic weighing Apparatus/
				SICT-CP-20706-5
sugar		(0 ~ 10) %	0.018 %	Solid density standard
		(10 ~ 90) %	0.017 %	meterial,
				Hydrostatic weighing Apparatus/
				SICT-CP-20706-6
milk		(15 ~ 20)	0.081	Solid density standard
		(20 ~ 40)	0.082	meterial,
				Hydrostatic weighing Apparatus/
				SICT-CP-20706-7
Bouyoucos		(-5.0 ~ 60.0) g/L	0.14 g/L	Solid density standard
				meterial,
				Hydrostatic weighing Apparatus/
				SICT-CP-20706-8
salinity		(0 ~ 26.4) %	0.025 %	Solid density standard
				meterial,
				Hydrostatic weighing Apparatus/
				SICT-CP-20706-9
LPG		(0.50 ~ 0.55) g/cm^3	0.000 065 g/cm^3	Solid density standard
		(0.55 ~ 0.60) g/cm^3	0.000 066 g/cm^3	meterial,
		(0.60 ~ 0.65) g/cm^3	0.000 068 g/cm^3	Hydrostatic weighing Apparatus/
				SICT-CP-20706-10

* 20704, 20705, 20706, 20707 unit % is weight percent.

207. Density

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Hydrometers; density, specific gravity, alcohol, API, baume, sugar, milk, soil, salinity, LPG, etc.	20706			
Twaddell		0 ~ 12	0.016	Solid density standard
		12 ~ 74	0.059	meterial,
		74 ~ 102	0.060	Hydrostatic weighing Apparatus/
		102 ~ 170	0.061	SICT-CP-20706-11
		170 ~ 200	0.062	
Chloride meters	20707			Chlorine standard liquid/
		(0 ~ 0.1) %	0.000 2 %	
		(0.1 ~ 2.0) %	0.001 0 %	SICT-CP-20707
Others; Solid density	20799			Solid density standard
Stainless steel		(1 ~ 2) g	0.004 6 g/cm^3	meterial,
		(2 ~ 5) g	0.002 4 g/cm^3	Hydrostatic weighing Apparatus/
		(5 ~ 10) g	0.001 0 g/cm^3	SICT-CP-20706-11
		(10 ~ 20) g	0.000 59 g/cm^3	
		(20 ~ 50) g	0.000 43 g/cm^3	
		(50 ~ 100) g	0.000 37 g/cm^3	
		(100 ~ 500) g	0.000 36 g/cm^3	
Glass		(1 ~ 2) g	0.000 46 g/cm^3	
		(2 ~ 5) g	0.000 25 g/cm^3	
		(5 ~ 10) g	0.000 14 g/cm^3	
		(10 ~ 20) g	0.000 12 g/cm^3	
		(20 ~ 500) g	0.000 11 g/cm^3	

* 20704, 20705, 20706, 20707 unit % is weight percent.

208. Viscosity

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Kinematic viscometers; capillary, etc.	20801	(2.5 ~ 100 000) mPa·s	1.3×10^{-2}	Viscosity CRM/ SICT-CP-20801
Dynamic viscometers; rotaional, etc. Viscosity	20802	(2.5 ~ 200 000) mPa·s	1.7×10^{-2}	Viscosity CRM/ SICT-CP-20802

209. Fluid flow

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Anemometers; hot-wire	20901	(0.1 ~ 1.0) m/s (1.0 ~ 2.0) m/s (2.0 ~ 70) m/s	8.7×10^{-2} 8.4×10^{-3} 4.8×10^{-3}	Wind Tunnel, Pitot tube, LDV/ SICT-CP-20901
Anemometers; pitot tube, etc.	20902	(0.1 ~ 1.0) m/s (1.0 ~ 2.0) m/s (2.0 ~ 70) m/s	8.7×10^{-2} 8.4×10^{-3} 4.8×10^{-3}	Wind Tunnel, Pitot tube, LDV/ SICT-CP-20902
Gas flowmeters; differential pressure	20908	(1.2×10^{-5} ~ 0.12) m^3/h (0.12 ~ 300) m^3/h (300 ~ 4 000) m^3/h	1.9×10^{-3} 2.0×10^{-3} 3.6×10^{-3}	Sonic Nozzle/SICT-CP-20928 Master Meter/SICT-CP-20929
Liquid flowmeters; differential pressure	20909	(0.01 ~ 50) m^3/h (0.000 12 ~ 0.01) m^3/h (0.01 ~ 50) m^3/h	1.2×10^{-3} 2.6×10^{-3} 7.0×10^{-4}	Master Meter/SICT-CP-20926 Weight measuring method/ SICT-CP-20927
Liquid flowmeters; electromagnetic	20910	(0.01 ~ 50) m^3/h (0.000 12 ~ 0.01) m^3/h (0.01 ~ 50) m^3/h	1.2×10^{-3} 2.6×10^{-3} 7.0×10^{-4}	Master Meter/SICT-CP-20926 Weight measuring method/ SICT-CP-20927
Gas flowmeters; thermal mass, etc.	20911	(1.2×10^{-5} ~ 0.12) m^3/h (0.12 ~ 300) m^3/h (300 ~ 4 000) m^3/h	1.9×10^{-3} 2.0×10^{-3} 3.6×10^{-3}	Sonic Nozzle/SICT-CP-20928 Master Meter/SICT-CP-20929
Liquid flowmeters; Coriolis, etc.	20912	(0.01 ~ 50) m^3/h (0.000 12 ~ 0.01) m^3/h (0.01 ~ 50) m^3/h	1.2×10^{-3} 2.6×10^{-3} 7.0×10^{-4}	Master Meter/SICT-CP-20926 Weight measuring method/ SICT-CP-20927
Gas flowmeters; positive displacement	20914	(1.2×10^{-5} ~ 0.12) m^3/h (0.12 ~ 300) m^3/h (300 ~ 4 000) m^3/h	1.9×10^{-3} 2.0×10^{-3} 3.6×10^{-3}	Sonic Nozzle/SICT-CP-20928 Master Meter/SICT-CP-20929
Liquid flowmeters; positive displacement	20915	(0.01 ~ 50) m^3/h (0.000 12 ~ 0.01) m^3/h (0.01 ~ 50) m^3/h	1.2×10^{-3} 2.6×10^{-3} 7.0×10^{-4}	Master Meter/SICT-CP-20926 Weight measuring method/ SICT-CP-20927
Gas flowmeters; turbine	20916	(1.2×10^{-5} ~ 0.12) m^3/h (0.12 ~ 300) m^3/h (300 ~ 4 000) m^3/h	1.9×10^{-3} 2.0×10^{-3} 3.6×10^{-3}	Sonic Nozzle/SICT-CP-20928 Master Meter/SICT-CP-20929
Liquid flowmeters; turbine	20917	(0.01 ~ 50) m^3/h (0.000 12 ~ 0.01) m^3/h (0.01 ~ 50) m^3/h	1.2×10^{-3} 2.6×10^{-3} 7.0×10^{-4}	Master Meter/SICT-CP-20926 Weight measuring method/ SICT-CP-20927
Gas flowmeters; ultrasonic	20918	(1.2×10^{-5} ~ 0.12) m^3/h (0.12 ~ 300) m^3/h (300 ~ 4 000) m^3/h	1.9×10^{-3} 2.0×10^{-3} 3.6×10^{-3}	Sonic Nozzle/SICT-CP-20928 Master Meter/SICT-CP-20929

209. Fluid flow

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Liquid flowmeters; ultrasonic	20919			
		(0.01 ~ 50) m^3/h	1.2×10^{-3}	Master Meter/SICT-CP-20926
		(0.000 12 ~ 0.01) m^3/h	2.6×10^{-3}	Weight measuring method/
		(0.01 ~ 50) m^3/h	7.0×10^{-4}	SICT-CP-20927
Gas flowmeters; variable area	20920			Sonic Nozzle/SICT-CP-20928
		(1.2×10^{-5} ~ 0.12) m^3/h	1.9×10^{-3}	Master Meter/SICT-CP-20929
		(0.12 ~ 300) m^3/h	2.0×10^{-3}	
		(300 ~ 4 000) m^3/h	3.6×10^{-3}	
Liquid flowmeters; variable area	20921			
		(0.01 ~ 50) m^3/h	1.2×10^{-3}	Master Meter/SICT-CP-20926
		(0.000 12 ~ 0.01) m^3/h	2.6×10^{-3}	Weight measuring method/
		(0.01 ~ 50) m^3/h	7.0×10^{-4}	SICT-CP-20927
Gas flowmeters; vortex	20922			Sonic Nozzle/SICT-CP-20928
		(1.2×10^{-5} ~ 0.12) m^3/h	1.9×10^{-3}	Master Meter/SICT-CP-20929
		(0.12 ~ 300) m^3/h	2.0×10^{-3}	
		(300 ~ 4 000) m^3/h	3.6×10^{-3}	
Liquid flowmeters; vortex	20923			
		(0.01 ~ 50) m^3/h	1.2×10^{-3}	Master Meter/SICT-CP-20926
		(0.000 12 ~ 0.01) m^3/h	2.6×10^{-3}	Weight measuring method/
		(0.01 ~ 50) m^3/h	7.0×10^{-4}	SICT-CP-20927
Anemometers; vane, etc	20925			Wind Tunnel, Pitot tube, LDV/
		(0.1 ~ 1.0) m/s	8.7×10^{-2}	SICT-CP-20925
		(1.0 ~ 2.0) m/s	8.4×10^{-3}	
		(2.0 ~ 70) m/s	4.8×10^{-3}	
Others; Anemometers; Ultrasonic current meter	20999			Wind Tunnel, Pitot tube, LDV/ SICT-CP-20999
		(0.1 ~ 1.0) m/s	8.7×10^{-2}	
		(1.0 ~ 2.0) m/s	8.4×10^{-3}	
		(2.0 ~ 70) m/s	4.8×10^{-3}	

210. Hardness

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Brinell hardness testers	21001			Brinell Hardness CRM/
		(100 ~ 250) HBW 10/3 000	3.1 HBW 10/3 000	SICT-CP-21001
		(250 ~ 450) HBW 10/3 000	4.9 HBW 10/3 000	
		(450 ~ 650) HBW 10/3 000	8.2 HBW 10/3 000	
Rockwell hardness testers	21002			Rockwell Hardness CRM/
		(20 ~ 70) HRC	0.45 HRC	SICT-CP-21002
		(20 ~ 100) HRBW	0.80 HRBW	
		(42 ~ 86) HR30N	0.70 HR30N	
		(29 ~ 82) HR30TW	1.1 HR30TW	
Shore hardness testers	21003			Shore Hardness CRM/
		(20 ~ 100) HS	0.9 HS	SICT-CP-21003
Vickers hardness testers	21004			Vickers Hardness CRM/
		(50 ~ 300) HV 0.2	6.0 HV 0.2	SICT-CP-21004
		(300 ~ 600) HV 0.2	18 HV 0.2	
		(600 ~ 850) HV 0.2	27 HV 0.2	
		(50 ~ 300) HV 0.3	5.0 HV 0.3	
		(300 ~ 600) HV 0.3	14 HV 0.3	
		(600 ~ 850) HV 0.5	26 HV 0.5	
		(50 ~ 300) HV 0.5	6.0 HV 0.5	
		(300 ~ 600) HV 0.5	15 HV 0.5	
		(600 ~ 850) HV 1	20 HV 1	
		(50 ~ 300) HV 10	3.0 HV 10	
		(300 ~ 600) HV 10	8.0 HV 10	
		(600 ~ 850) HV 10	11 HV 10	
		(300 ~ 600) HV 30	8.0 HV 30	
		(600 ~ 850) HV 30	11 HV 30	
Durometer hardness testers	21005			Durometer Calibration device/
		(0 ~ 100) HDA	0.4 HDA	SICT-CP-21005
		(0 ~ 100) HDAM	0.8 HDAM	
		(0 ~ 100) HDA0	0.4 HDA0	
		(0 ~ 100) HDB	0.4 HDB	
		(0 ~ 100) HDC	0.3 HDC	
		(0 ~ 100) HDC2	0.6 HDC2	
		(0 ~ 100) HDCS	0.3 HDCS	
		(0 ~ 100) HDD	0.3 HDD	
		(0 ~ 100) HDD0	0.3 HDD0	
		(0 ~ 100) HDE	0.4 HDE	
		(0 ~ 100) HDE2	0.6 HDE2	
		(0 ~ 100) HDF	0.6 HDF	
		(0 ~ 100) HDF0	0.6 HDF0	
		(0 ~ 100) HDM	0.8 HDM	
		(0 ~ 100) HD0	0.3 HD0	
		(0 ~ 100) HD00	0.4 HD00	
		(0 ~ 100) HD000	0.4 HD000	
		(0 ~ 100) HD000-S	0.3 HD000-S	
Leeb hardness testers	21006			Leeb Hardness CRM/
		(400 ~ 1 000) HLD	4.6 HLD	SICT-CP-21006

211. Impact

측정량/장비	분류번호	교정범위	측정불확도 (신뢰수준 약 95 %)	사용표준/측정방법 등
Charpy impact tetsers	21102	(0.5 ~ 900) J	-	Laser Distance Meter, Electronic Force Measuring Device/ SICT-CP-21102
Izod impact testers	21103	(0.5 ~ 900) J	-	Laser Distance Meter, Electronic Force Measuring Device/ SICT-CP-21103

301. Time/frequency

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Frequency standards	30102			GPS Receiver, Universal
Time Base Frequency		(0.1 ~ 10) MHz	1.0×10^{-12}	Counter/ SICT-CP-30102
General frequency sources	30103			GPS Receiver, Universal
Time Base Frequency		10 kHz ~ 100 MHz	1.0×10^{-12}	Counter/ SICT-CP-30103
Frequency meters/counters	30104			GPS Receiver, Universal
Time Base Frequency		(1 ~ 10) MHz	1.0×10^{-12}	Counter/ SICT-CP-30104
Input Frequency		0.01 Hz ~ 1 Hz	64 pHz	
		1 Hz ~ 60 GHz	6.4×10^{-11}	
Time interval sources	30105			GPS Receiver, Universal
Period		1 ns ~ 10 s	6.1×10^{-9}	Counter/ SICT-CP-30105
Time interval		(1 ~ 100) ns	0.15 ns	
		100 ns ~ 1 ms	1.3 ns	
		1 ms ~ 10 s	2.1 ns	
Time interval meters/stop watches/timers	30106			Stop Watch Calibrator/
Trigger Voltage		(-5 ~ 5) V	1.2×10^{-4}	SICT-CP-30106
Period		(5 ~ 100) ns	6.2×10^{-5} ns	
Reference Frequency		(1 ~ 10) MHz	6.2×10^{-11}	
Relative Time Difference		day	1.1×10^{-7}	
		month	3.6×10^{-7}	
Time rate		(-9.95 ~ 9.95) s / day	6.1 ms	
		(-300 ~ 300) s / month	6.2 ms	
Timer		(1 ~ 100) s	5.8×10^{-6}	
		(100 ~ 1 000) s	8.2×10^{-6}	
		(1 000 ~ 10 000) s	5.8×10^{-5}	
Count		≥1	0.58	

302. Velocity & revolution

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Standard RPM generators	30201			GPS Receiver, Synthesizer
Revolution Velocity Measurement		(1 ~ 10 000) min^{-1}	0.004 0 min^{-1}	Function Generator/
				SICT-CP-30201
Revolution Velocity Measurement		(30 ~ 5 000) min^{-1}	0.059 min^{-1}	
(Centrifuge)		(5 000 ~ 8 500) min^{-1}	0.099 min^{-1}	
		(8 500 ~ 50 000) min^{-1}	0.59 min^{-1}	
		(50 000 ~ 80 000) min^{-1}	0.93 min^{-1}	
		(80 000 ~ 99 000) min^{-1}	1.1 min^{-1}	
Contact type tachometers	30202			GPS Receiver, Tachometer Cal
Revolution Velocity Measurement		(1 ~ 10) min^{-1}	0.10 min^{-1}	System/
		(10 ~ 1 000) min^{-1}	0.016 min^{-1}	
		(1 000 ~ 5 000) min^{-1}	0.063 min^{-1}	SICT-CP-30202
Photo tachometers/stroboscopes	30203			GPS Receiver, Photo Signal
Revolution Velocity Measurement		(1 ~ 999.99) min^{-1}	0.006 1 min^{-1}	Detector/
(Photo-tachometer)		(1 000.0 ~ 99 999.9) min^{-1}	0.061 min^{-1}	SICT-CP-30203
		(100 000 ~ 600 000) min^{-1}	0.61 min^{-1}	
Revolution Velocity Measurement		(30 ~ 9 000) min^{-1}	0.005 8 min^{-1}	
(Stroboscope)		(9 000 ~ 90 000) min^{-1}	0.058 min^{-1}	
		(90 000 ~ 500 000) min^{-1}	0.58 min^{-1}	
Speed meters	30204			GPS Receiver, Synthesizer Function Generator/
Speed Test		(0 ~ 400) km/h	6.1 × 10^{-3} km/h	SICT-CP-30204
Wow-flutter generators	30205			GPS Receiver, Universal
Carrier Frequency		10 Hz ~ 99.99 kHz	6.2 × 10^{-6}	Counter/
				SICT-CP-30205
Function Frequency		1 Hz ~ 10 kHz	6.2 × 10^{-6}	
		(10 ~ 30) kHz	2.1 × 10^{-6}	
Wow/Flutter Deviation		(1 Hz ~ 100 Hz)		
		(0 ~ 3) %	0.025 %	
Output Level		(1 ~ 10) mV	5.8 × 10^{-4}	
		(10 ~ 100) mV	1.7 × 10^{-4}	
		(0.1 ~ 6) V	1.3 × 10^{-4}	
CCIR Pulse		10 ms	1.0 × 10^{-2} ms	
		30 ms	3.0 × 10^{-2} ms	
		60 ms	6.0 × 10^{-2} ms	
		100 ms	1.0 × 10^{-1} ms	
Wow-flutter meters	30206			GPS Receiver, Wow Flutter
Wow/Flutter Deviation		(0.1 ~ 0.3) %	0.019 %	Calibrator/
		(0.3 ~ 3) %	0.020 %	SICT-CP-30206
Carrier Frequency		3 kHz	6.2 × 10-5 kHz	
		3.15 kHz	6.2 × 10-5 kHz	
CCIR Pulse		(10 ~ 100) ms	0.59 %	
Output Voltage		(1 ~ 100) mV	6.8 μV	
		(0.1 ~ 1) V	9.8 μV	
		(1 ~ 10) V	76 μV	

401. DC voltage & current

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
DC ammeters	40101			Calibrator/
DC Current		(±)		SICT-CP-40101
		0 pA	13 fA	
		(0 ~ 1) pA	2.4×10^{-2}	
		(1 ~ 10) pA	9.4×10^{-3}	
		(10 ~ 100) pA	2.3×10^{-3}	
		(0.1 ~ 100) nA	8.5×10^{-4}	
		(0.1 ~ 1) μA	9.3×10^{-4}	
		(1 ~ 10) μA	4.5×10^{-5}	
		(10 ~ 100) μA	3.0×10^{-5}	
		(0.1 ~ 1) mA	2.5×10^{-5}	
		(1 ~ 10) mA	2.7×10^{-5}	
		(10 ~ 100) mA	2.0×10^{-5}	
		(100 ~ 200) mA	1.7×10^{-5}	
		(0.2 ~ 1) A	3.0×10^{-5}	
		(1 ~ 10) A	1.4×10^{-4}	
		(10 ~ 100) A	1.5×10^{-4}	
Transconductance amplifiers	40102			AC-DC Active Current Shunt/
DC Current		(±)		SICT-CP-40102
		10 μA ~ 10 A	1.3×10^{-5}	
		(10 ~ 50) A	4.3×10^{-5}	
		(50 ~ 100) A	4.4×10^{-5}	
AC Current		(10 μA)		
		10 Hz ~ 10 kHz	2.6×10^{-3}	
		(10 ~ 100) μA		
		10 Hz ~ 1 kHz	3.6×10^{-4}	
		(1 ~ 10) kHz	6.4×10^{-4}	
		(100 μA ~ 1 mA)		
		10 Hz	9.8×10^{-5}	
		10 Hz ~ 1 kHz	7.5×10^{-5}	
		(1 ~ 10) kHz	9.4×10^{-5}	
		(1 ~ 100) mA		
		10 Hz	7.8×10^{-5}	
		10 Hz ~ 1 kHz	4.6×10^{-5}	
		(1 ~ 10) kHz	4.2×10^{-5}	
		(100 mA ~ 1 A)		
		10 Hz	8.1×10^{-5}	
		10 Hz ~ 1 kHz	4.9×10^{-5}	
		(1 ~ 10) kHz	4.4×10^{-5}	
		(1 ~ 2) A		
		10 Hz	7.9×10^{-5}	
		10 Hz ~ 1 kHz	4.7×10^{-5}	
		(1 ~ 10) kHz	4.5×10^{-5}	
		(2 ~ 5) A		
		10 Hz	8.2×10^{-5}	
		10 Hz ~ 1 kHz	5.2×10^{-5}	
		(1 ~ 10) kHz	5.0×10^{-5}	

401. DC voltage & current

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Transconductance amplifiers	40102			AC-DC Active Current Shunt/
AC Current		(5 ~ 10) A		SICT-CP-40102
		10 Hz	8.6×10^{-5}	
		10 Hz ~ 1 kHz	5.9×10^{-5}	
		(1 ~ 10) kHz	7.8×10^{-5}	
		(10 ~ 20) A		
		10 Hz	9.3×10^{-5}	
		10 Hz ~ 1 kHz	6.8×10^{-5}	
		(1 ~ 10) kHz	7.8×10^{-5}	
		(20 ~ 50) A		
		10 Hz	1.0×10^{-4}	
		10 Hz ~ 1 kHz	8.3×10^{-5}	
		(1 ~ 10) kHz	1.1×10^{-4}	
		(50 ~ 100) A		
		10 Hz	1.2×10^{-4}	
		10 Hz ~ 1 kHz	9.7×10^{-5}	
		(1 ~ 10) kHz	1.3×10^{-5}	
		(100 ~ 120) A		
		60 Hz	4.6×10^{-4}	
DC voltage/current calibrators	40103			Reference Multimeter/
DC Voltage		(±)		SICT-CP-40103
		0 mV	0.29 μV	
		(0 ~ 1) mV	4.8×10^{-4}	
		(1 ~ 2) mV	2.4×10^{-4}	
		(2 ~ 5) mV	9.6×10^{-5}	
		(5 ~ 10) mV	4.9×10^{-5}	
		(10 ~ 20) mV	2.5×10^{-5}	
		(20 ~ 50) mV	1.1×10^{-5}	
		(50 ~ 100) mV	6.9×10^{-6}	
		(0.1 ~ 1) V	3.7×10^{-6}	
		(1 ~ 10) V	3.3×10^{-6}	
		(10 ~ 100) V	5.4×10^{-6}	
		(100 ~ 1 000) V	5.7×10^{-6}	
DC Current		(±)		
		0 pA	9.6 fA	
		(0 ~ 1) pA	2.1×10^{-2}	
		(1 ~ 10) pA	6.8×10^{-3}	
		(10 ~ 100) pA	2.2×10^{-3}	
		(0.1 ~ 100) nA	8.5×10^{-4}	
		100 nA ~ 10 A	1.4×10^{-5}	
		(10 ~ 100) A	4.5×10^{-5}	
Electrical temperature calibrators	40104			디지털 멀티미터/
TEMPERATURE(SOURCE)				SICT-CP-40104
T/C		(-9.835 ~ 0.000) mV	0.42 μV	
		0.000 mV	0.24 μV	
		(0.000 ~ 13.421) mV	0.42 μV	
		(13.421 ~ 37.006) mV	0.48 μV	
		(37.006 ~ 61.017) mV	0.53 μV	
		(61.017 ~ 76.373) mV	0.57 μV	

401. DC voltage & current

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Electrical temperature calibrators	40104			디지털 멀티미터/
RTD		0.999 Ω	0.063 mΩ	SICT-CP-40104
		(0.999 ~ 2.499) Ω	3.0×10^{-5}	
		(2.499 ~ 4.322) Ω	1.9×10^{-5}	
		(4.322 ~ 100.000) Ω	9.9×10^{-6}	
		(100.000 ~ 177.155) Ω	8.8×10^{-6}	
		(177.155 ~ 313.708) Ω	1.1×10^{-5}	
		(313.708 ~ 627.422) Ω	9.2×10^{-6}	
		(627.422 ~ 3 233.3) Ω	1.1×10^{-5}	
DC Voltage(SOURCE)		(±)		
		0 mV	0.24 μV	
		(1 ~ 2) mV	4.0×10^{-4}	
		(2 ~ 3) mV	2.0×10^{-4}	
		(3 ~ 4) mV	1.3×10^{-4}	
		(4 ~ 5) mV	1.0×10^{-4}	
		(5 ~ 10) mV	8.2×10^{-5}	
		(10 ~ 50) mV	4.2×10^{-5}	
		(50 ~ 100) mV	6.3×10^{-6}	
		(0.1 ~ 0.2) V	6.2×10^{-5}	
		(0.2 ~ 0.3) V	3.1×10^{-5}	
		(0.3 ~ 0.6) V	3.1×10^{-5}	
		(0.6 ~ 1) V	9.5×10^{-6}	
		(1 ~ 6) V	3.1×10^{-5}	
		(6 ~ 10) V	9.3×10^{-6}	
		(10 ~ 70) V	6.2×10^{-5}	
		(70 ~ 100) V	9.2×10^{-6}	
DC Current(SOURCE)		(±)		
		0 mA	0.064 μA	
		(0 ~ 1) mA	9.2×10^{-5}	
		(1 ~ 2) mA	6.2×10^{-5}	
		(2 ~ 5) mA	3.5×10^{-5}	
		(5 ~ 7) mA	2.3×10^{-5}	
		(7 ~ 10) mA	1.9×10^{-5}	
		(10 ~ 20) mA	3.3×10^{-5}	
		(20 ~ 30) mA	8.2×10^{-5}	
		(30 ~ 40) mA	7.0×10^{-5}	
		(40 ~ 100) mA	6.3×10^{-5}	
Resistance(SOURCE)		0 Ω	0.061 mΩ	
		(0 ~ 0.6) Ω	6.1×10^{-4}	
		(0.6 ~ 1) Ω	8.9×10^{-5}	
		(1 ~ 10) Ω	6.7×10^{-5}	
		(10 ~ 20) Ω	3.3×10^{-5}	
		(20 ~ 30) Ω	2.3×10^{-5}	
		(30 ~ 50) Ω	1.8×10^{-5}	
		(50 ~ 70) Ω	1.4×10^{-5}	
		(70 ~ 100) Ω	1.2×10^{-5}	
		(0.1 ~ 0.2) kΩ	3.2×10^{-5}	
		(0.2 ~ 0.3) kΩ	2.3×10^{-5}	
		(0.3 ~ 0.5) kΩ	1.8×10^{-5}	
		(0.5 ~ 0.8) kΩ	1.4×10^{-5}	
		(0.8 ~ 1) kΩ	1.1×10^{-5}	

401. DC voltage & current

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Electrical temperature calibrators	40104			디지털 멀티미터/
Resistance(SOURCE)		(1 ~ 2) kΩ	3.2×10^{-5}	SICT-CP-40104
		(2 ~ 3) kΩ	2.3×10^{-5}	
		(3 ~ 5) kΩ	1.8×10^{-5}	
		(5 ~ 8) kΩ	1.4×10^{-5}	
		(8 ~ 10) kΩ	1.1×10^{-5}	
		(10 ~ 20) kΩ	3.2×10^{-5}	
		(20 ~ 30) kΩ	2.4×10^{-5}	
		(30 ~ 40) kΩ	1.9×10^{-5}	
		(40 ~ 50) kΩ	1.6×10^{-5}	
		(50 ~ 100) kΩ	1.1×10^{-5}	
TEMPERATURE(MEASURE)				
T/C		(-9.835 ~ 0.000) mV	0.59 μV	
		0.000 mV	0.50 μV	
		(0.000 ~ 13.422) mV	0.62 μV	
		(13.422 ~ 28.947) mV	0.75 μV	
		(28.947 ~ 45.094) mV	0.88 μV	
		(45.094 ~ 53.113) mV	0.95 μV	
		(53.113 ~ 76.374) mV	1.1 μV	
RTD		0.998 Ω	0.24 mΩ	
		(0.998 ~ 2.496) Ω	1.0×10^{-4}	
		(2.496 ~ 4.315) Ω	7.1×10^{-5}	
		(4.315 ~ 16.994) Ω	3.9×10^{-5}	
		(16.994 ~ 249.580) Ω	3.5×10^{-5}	
		(249.580 ~ 317.988) Ω	4.3×10^{-5}	
		(317.988 ~ 390.474) Ω	4.0×10^{-5}	
		(390.474 ~ 3 233.2) Ω	3.5×10^{-5}	
DC Voltage(MEASURE)		(±)		
		0 mV	0.50 μV	
		(1 ~ 5) mV	5.2×10^{-4}	
		(5 ~ 10) mV	9.3×10^{-5}	
		(10 ~ 100) mV	5.9×10^{-5}	
		(0.1 ~ 0.5) V	6.3×10^{-5}	
		(0.5 ~ 0.8) V	1.3×10^{-5}	
		(0.8 ~ 1) V	1.6×10^{-5}	
		(1 ~ 10) V	6.6×10^{-6}	
		(10 ~ 20) V	9.1×10^{-6}	
		(20 ~ 40) V	7.9×10^{-6}	
		(40 ~ 70) V	6.9×10^{-6}	
		(70 ~ 100) V	6.4×10^{-6}	
		(100 ~ 200) V	7.8×10^{-6}	
		(200 ~ 300) V	2.2×10^{-5}	

401. DC voltage & current

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Electrical temperature calibrators	40104			디지털 멀티미터/
DC Current(MEASURE)		(±)		SICT-CP-40104
		0 mA	0.062 μA	
		(0 ~ 0.1) mA	6.4×10^{-4}	
		(0.1 ~ 0.2) mA	3.2×10^{-4}	
		(0.2 ~ 0.3) mA	2.2×10^{-4}	
		(0.3 ~ 0.7) mA	1.7×10^{-4}	
		(0.7 ~ 1) mA	9.3×10^{-5}	
		(1 ~ 2) mA	9.9×10^{-5}	
		(2 ~ 5) mA	7.6×10^{-5}	
		(5 ~ 10) mA	5.8×10^{-5}	
		(10 ~ 20) mA	9.9×10^{-5}	
		(20 ~ 30) mA	8.2×10^{-5}	
		(30 ~ 40) mA	7.4×10^{-5}	
		(40 ~ 50) mA	7.0×10^{-5}	
		(50 ~ 100) mA	6.7×10^{-5}	
		(100 ~ 130) mA	8.7×10^{-5}	
Resistance(MEASURE)		0 Ω	0.098 mΩ	
		(0 ~ 1) Ω	6.4×10^{-5}	
		(1 ~ 10) Ω	1.1×10^{-5}	
		(10 ~ 100) Ω	9.6×10^{-6}	
		(0.1 ~ 1) kΩ	6.5×10^{-5}	
		(1 ~ 10) kΩ	6.1×10^{-5}	
		(10 ~ 20) kΩ	4.7×10^{-5}	
		(20 ~ 30) kΩ	4.0×10^{-5}	
		(30 ~ 40) kΩ	4.2×10^{-5}	
		(40 ~ 50) kΩ	3.9×10^{-5}	
		(50 ~ 100) kΩ	3.4×10^{-5}	
DC current shunts	40105			Trans Conductance Amplifier/
Resistance		1 μΩ	0.32 nΩ	SICT-CP-40105
		(0.001 ~ 0.01) mΩ	2.8×10^{-4}	
		(0.01 ~ 0.2) mΩ	1.8×10^{-4}	
		(0.2 ~ 1) mΩ	1.5×10^{-4}	
		(1 ~ 10) mΩ	1.1×10^{-6}	
		(10 ~ 100) mΩ	2.8×10^{-6}	
		(0.1 ~ 1) Ω	8.1×10^{-7}	
		(1 ~ 10) Ω	1.3×10^{-6}	
		(10 ~ 100) Ω	6.7×10^{-7}	
		(0.1 ~ 1) kΩ	6.2×10^{-7}	
		(1 ~ 10) kΩ	7.9×10^{-7}	
		(10 ~ 100) kΩ	2.0×10^{-6}	
		(0.1 ~ 1) MΩ	1.4×10^{-6}	
		(1 ~ 10) MΩ	5.3×10^{-6}	
		(10 ~ 100) MΩ	9.8×10^{-6}	
Galvanometers/null detectors	40106			Calibrator/
DC Voltage		(±)		SICT-CP-40106
		(100 ~ 300) μV	1.4×10^{-2}	
		(0.3 ~ 1) mV	1.2×10^{-2}	
		1 mV ~ 1 000 V	6.8×10^{-3}	
Potentiometers	40107			Calibrator/
DC Voltage		(100 ~ 300) μV	5.7×10^{-3}	SICT-CP-40107
		(0.3 ~ 1) mV	2.2×10^{-3}	
		(1 ~ 3) mV	6.0×10^{-4}	
		3 mV ~ 1 000 V	3.0×10^{-4}	

401. DC voltage & current

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
DC power supplies	40108			DC Electronics Load/
DC Voltage		(±)		SICT-CP-40108
		0 mV	5.8 μV	
		(0 ~ 10) mV	5.8×10^{-4}	
		(10 ~ 100) mV	5.8×10^{-5}	
		(0.1 ~ 1) V	7.5×10^{-6}	
		(1 ~ 10) V	3.3×10^{-6}	
		(10 ~ 100) V	7.7×10^{-6}	
		(100 ~ 600) V	1.3×10^{-5}	
		(600 ~ 1 000) V	6.6×10^{-5}	
DC Current		(1 ~ 10) mA	5.8×10^{-3}	
		(10 ~ 100) mA	5.9×10^{-4}	
		(0.1 ~ 1) A	2.4×10^{-4}	
		(1 ~ 10) A	3.1×10^{-4}	
		(10 ~ 300) A	2.4×10^{-4}	
		(300 ~ 500) A	2.6×10^{-4}	
		(500 ~ 1 000) A	4.7×10^{-5}	
		(1 000 ~ 3 000) A	5.1×10^{-4}	
Load regulation		(0 ~ 2) mV	0.16 mV	
		(2 ~ 20) mV	7.8×10^{-2}	
		(20 ~ 200) mV	8.2×10^{-3}	
Ripple		(0.1 ~ 0.4) mV	3.8×10^{-1}	
		(0.4 ~ 0.6) mV	1.1×10^{-1}	
		(0.6 ~ 1) mV	7.3×10^{-2}	
		(1 ~ 10) mV	4.4×10^{-2}	
		(10 ~ 50) mV	7.1×10^{-2}	
DC voltage dividers	40110			Calibrator/
DC Voltage Ratio		(±)		SICT-CP-40110
		(0.01 ~ 1 000) V	4.5×10^{-6}	
		(1 ~ 50) kV	8.8×10^{-5}	
		(50 ~ 100) kV	8.4×10^{-5}	
DC voltage standards	40111			Null Detector/
DC Voltage		1 V	1.6 μV	SICT-CP-40111
		1.018 V	0.8 μV	
		10 V	3.1 μV	
DC voltmeters	40112			Calibrator/
DC Voltage		(±)		SICT-CP-40112
		0 mV	0.51 μV	
		(0 ~ 1) mV	5.0×10^{-4}	
		(1 ~ 2) mV	2.5×10^{-4}	
		(2 ~ 5) mV	1.0×10^{-4}	
		(5 ~ 10) mV	6.2×10^{-5}	
		(10 ~ 20) mV	5.0×10^{-5}	
		(20 ~ 50) mV	2.5×10^{-5}	
		(50 ~ 80) mV	1.0×10^{-5}	
		(80 ~ 100) mV	6.2×10^{-6}	
		(0.1 ~ 1 000) V	8.0×10^{-6}	
Static/ionic voltmeters	40113			DC Power Supply/
DC Voltage		(±)		SICT-CP-40113
		0 V	68 mV	
		0 V ~ 50 kV	1.3×10^{-2}	

402. Resistance, Capacitance and Inductance

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Capacitance bridges/indicators	40201			Standard Capacitance Set/
Frequency		50 Hz ~ 100 MHz	6.8×10^{-8}	SICT-CP-40201
Capacitance		(1 pF)		
		50 Hz ~ 1 kHz	3.6×10^{-4}	
		1 kHz ~ 1 MHz	3.7×10^{-4}	
		2 MHz	4.2×10^{-4}	
		3 MHz	5.4×10^{-4}	
		4 MHz	7.2×10^{-4}	
		5 MHz	9.5×10^{-4}	
		10 MHz	2.5×10^{-3}	
		13 MHz	3.7×10^{-3}	
		(10 pF)		
		50 Hz ~ 5 MHz	3.6×10^{-4}	
		10 MHz	3.7×10^{-4}	
		13 MHz	3.9×10^{-4}	
		(100 pF)		
		(50 ~ 120) Hz	3.5×10^{-4}	
		120 Hz ~ 4 MHz	3.6×10^{-4}	
		5 MHz	3.8×10^{-4}	
		10 MHz	4.9×10^{-4}	
		13 MHz	6.1×10^{-4}	
		(1 000 pF)		
		50 Hz ~ 1 MHz	3.6×10^{-4}	
		2 MHz	3.8×10^{-4}	
		3 MHz	4.5×10^{-4}	
		4 MHz	5.7×10^{-4}	
		5 MHz	7.2×10^{-4}	
		10 MHz	2.0×10^{-3}	
		13 MHz	3.0×10^{-3}	
		(10 nF)		
		(50 ~ 100) Hz	3.0×10^{-4}	
		100 Hz ~ 100 kHz	8.2×10^{-5}	
		(100 nF)		
		(50 ~ 100) Hz	3.0×10^{-4}	
		100 Hz ~ 100 kHz	8.2×10^{-5}	
		(1 μF)		
		(50 ~ 100) Hz	7.0×10^{-4}	
		100 Hz ~ 10 kHz	8.2×10^{-5}	
		(10 ~ 100) kHz	1.1×10^{-4}	

402. Resistance, Capacitance and Inductance

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Capacitance bridges/indicators	40201			Standard Capacitance Set/
Capacitance		(10 μF)		SICT-CP-40201
		120 Hz ~ 1 kHz	1.3×10^{-3}	
		(100 μF)		
		120 Hz	1.4×10^{-3}	
		(1 mF)		
		120 Hz	1.5×10^{-3}	
		(3 mF)		
		120 Hz	1.5×10^{-3}	
		(10 mF)		
		120 Hz	1.5×10^{-3}	
		(30 mF)		
		120 Hz	2.9×10^{-3}	
(Schering bridges)		(50 ~ 60) Hz		SICT-CP-40201-1
Capacitance		100 pF	7.7×10^{-5}	
		1 000 pF	3.9×10^{-5}	
tan δ		0.000 0 ~ 0.001 0	1.7×10^{-4}	
		0.001 0 ~ 0.003 0	1.8×10^{-4}	
		0.003 0 ~ 0.005 0	1.9×10^{-4}	
		0.005 0 ~ 0.008 0	2.1×10^{-4}	
		0.008 0 ~ 0.010 0	2.2×10^{-4}	
		0.010 0 ~ 0.030 0	3.3×10^{-4}	
		0.030 0 ~ 0.050 0	4.4×10^{-4}	
		0.050 0 ~ 0.080 0	6.2×10^{-4}	
		0.080 0 ~ 0.100 0	7.4×10^{-4}	
Decade capacitors	40202			Standard Capacitance Set/
Capacitance		(50 Hz ~ 20 kHz)		SICT-CP-40202
		1 pF	5.7×10^{-5}	
		(1 ~ 10) pF	4.6×10^{-5}	
		(10 ~ 100) pF	3.8×10^{-5}	
		(100 ~ 1 000) pF	4.6×10^{-5}	
		1 000 pF ~ 100 nF	2.9×10^{-4}	
		100 nF ~ 1 μF	5.1×10^{-4}	
		(1 kHz)		
		1 pF	2.5×10^{-5}	
		(1 ~ 1 000) pF	2.4×10^{-5}	
		1 000 pF ~ 100 nF	5.5×10^{-5}	
		100 nF ~ 1 μF	9.3×10^{-5}	

402. Resistance, Capacitance and Inductance

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Standard capacitors	40204			Standard Capacitance Set/
Capacitance		(50 Hz ~ 20 kHz)		Capacitance Bridge
		1 pF	5.2×10^{-5}	SICT-CP-40204
		(1 ~ 10) pF	4.0×10^{-5}	
		(10 ~ 100) pF	3.0×10^{-5}	
		(100 ~ 1 000) pF	4.0×10^{-5}	
		1 000 pF ~ 100 nF	2.9×10^{-4}	
		100 nF ~ 1 μF	5.1×10^{-4}	
		(1 kHz)		
		1 pF	9.1×10^{-6}	
		(1 ~ 10) pF	7.1×10^{-6}	
		(10 ~ 100) pF	6.1×10^{-6}	
		(100 ~ 1 000) pF	7.1×10^{-6}	
		1 000 pF ~ 100 nF	5.0×10^{-5}	
		100 nF ~ 1 μF	9.0×10^{-5}	
		(1 pF)		
		1 kHz	2.4×10^{-4}	
		1 kHz ~ 1 MHz	2.5×10^{-4}	
		(1 ~ 2) MHz	3.3×10^{-4}	
		(2 ~ 3) MHz	4.7×10^{-4}	
		(3 ~ 4) MHz	6.7×10^{-4}	
		(4 ~ 5) MHz	9.1×10^{-4}	
		(5 ~ 10) MHz	2.5×10^{-3}	
		(10 ~ 13) MHz	3.7×10^{-3}	
		(1 ~ 10) pF		
		1 kHz ~ 3 MHz	2.3×10^{-4}	
		(3 ~ 5) MHz	2.4×10^{-4}	
		(5 ~ 10) MHz	2.6×10^{-4}	
		(10 ~ 13) MHz	2.8×10^{-4}	
		(10 ~ 100) pF		
		1 kHz ~ 1 MHz	2.3×10^{-4}	
		(1 ~ 3) MHz	2.4×10^{-4}	
		(3 ~ 4) MHz	2.5×10^{-4}	
		(4 ~ 5) MHz	2.7×10^{-4}	
		(5 ~ 10) MHz	4.0×10^{-4}	
		(10 ~ 13) MHz	5.4×10^{-4}	
		(100 pF ~ 1 nF)		
		1 kHz	2.3×10^{-4}	
		1 kHz ~ 1 MHz	2.4×10^{-4}	
		(1 ~ 2) MHz	2.8×10^{-4}	
		(2 ~ 3) MHz	3.6×10^{-4}	
		(3 ~ 4) MHz	5.0×10^{-4}	
		(4 ~ 5) MHz	6.6×10^{-4}	
		(5 ~ 10) MHz	1.9×10^{-3}	
		(10 ~ 13) MHz	2.8×10^{-3}	

402. Resistance, Capacitance and Inductance

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Standard capacitors	40204			Standard Capacitance Set/
Capacitance		(1 ~ 100) nF		Capacitance Bridge
		120 Hz ~ 100 kHz	2.3×10^{-4}	SICT-CP-40204
		(100 nF ~ 1 μF)		
		120 Hz	2.4×10^{-4}	
		120 Hz ~ 10 kHz	2.3×10^{-4}	
		(10 ~ 100) kHz	2.4×10^{-4}	
		(1 ~ 10) μF		
		120 Hz ~ 1 kHz	1.2×10^{-3}	
		(30 μF)		
		120 Hz	1.3×10^{-3}	
		(100 μF)		
		120 Hz	1.3×10^{-3}	
		(300 μF)		
		120 Hz	1.5×10^{-3}	
		(1 mF)		
		120 Hz	1.4×10^{-3}	
		(3 mF)		
		120 Hz	1.5×10^{-3}	
		(10 mF)		
		120 Hz	1.4×10^{-3}	
		(30 mF)		
		120 Hz	2.9×10^{-3}	
Earth testers	40205			Decade Resistor/
Test Voltage		1 V	6.4×10^{-3}	SICT-CP-40205
		(1 ~ 10) V	6.4×10^{-4}	
		(10 ~ 50) V	1.3×10^{-3}	
		(50 ~ 100) V	6.4×10^{-4}	
		(100 ~ 500) V	1.6×10^{-4}	
		(500 ~ 1 000) V	6.4×10^{-4}	
Resistance		1 mΩ	8.6×10^{-4}	
		(1 ~ 10) mΩ	7.2×10^{-4}	
		10 mΩ ~ 100 kΩ	6.8×10^{-4}	
AC Current out		1 A	1.2×10^{-3}	
		(1 ~ 3) A	1.5×10^{-3}	
		(3 ~ 20) A	9.7×10^{-4}	
		(20 ~ 30) A	1.0×10^{-3}	
		(30 ~ 60) A	8.4×10^{-4}	
		(60 ~ 100) A	1.0×10^{-3}	
		(100 ~ 150) A	4.6×10^{-3}	
		(150 ~ 200) A	3.7×10^{-3}	
Timer		1 s	5.8×10^{-6}	
		(1 ~ 100) s	5.8×10^{-6}	
		(100 ~ 1 000) s	8.2×10^{-6}	
		(1 000 ~ 10 000) s	5.8×10^{-5}	

402. Resistance, Capacitance and Inductance

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Inductance bridges/indicators	40206			Standard Inductor/
Frequency		50 Hz ~ 100 MHz	7.0×10^{-8}	SICT-CP-40206
Inductance		(1 kHz)		
		100 μH	1.9×10^{-4}	
		1 mH	1.3×10^{-4}	
		10 mH	1.3×10^{-4}	
		100 mH	1.3×10^{-4}	
		1 H	1.3×10^{-4}	
		10 H	1.3×10^{-4}	
Inductors	40208			Standard Inductor/
Standard Inductance		(1 kHz)		SICT-CP-40208
		100 μH	28 nH	
		1 mH	0.24 μH	
		10 mH	2.4 μH	
		100 mH	24 μH	
		1 H	0.24 mH	
		10 H	2.5 mH	
Decade Inductance		(1 kHz)		
		100 μH ~ 10 H	3.5×10^{-3}	
Insulation testers	40210			High Resistance Decade/
				SICT-CP-40210
AC Voltage		1 V	8.8×10^{-5}	
		(1 ~ 10) V	9.0×10^{-5}	
		(10 ~ 100) V	1.0×10^{-4}	
		(100 ~ 1 000) V	1.1×10^{-4}	
Insulation Voltage		1 V	6.4×10^{-4}	
		(1 ~ 10) V	6.4×10^{-5}	
		(10 ~ 25) V	2.5×10^{-4}	
		(25 ~ 50) V	1.3×10^{-4}	
		(50 ~ 100) V	6.4×10^{-5}	
		(100 ~ 250) V	2.5×10^{-4}	
		(250 ~ 500) V	1.3×10^{-4}	
		(500 ~ 1 000) V	6.4×10^{-5}	
		(1 000 ~ 5 000) V	6.5×10^{-3}	
		(5 000 ~ 10 000) V	6.1×10^{-3}	
Insulation Resistance		1 kΩ	7.1×10^{-5}	
		(1 ~ 10) kΩ	3.7×10^{-5}	
		(10 ~ 100) kΩ	2.5×10^{-5}	
		(0.1 ~ 1) MΩ	3.1×10^{-5}	
		(1 ~ 10) MΩ	9.5×10^{-5}	
		(10 ~ 100) MΩ	2.4×10^{-5}	
		(0.1 ~ 1) GΩ	3.1×10^{-5}	
		(1 ~ 10) GΩ	6.1×10^{-5}	
		(10 ~ 100) GΩ	1.3×10^{-4}	
		(0.1 ~ 1) TΩ	2.6×10^{-4}	
		10 TΩ	6.3×10^{-4}	
Q-meters	40211			Universal Counter/
Frequency Test		60 Hz ~ 100 MHz	7.0×10^{-8}	SICT-CP-40211
Quality Factor		0 ~ 1 000	9.7×10^{-4}	

402. Resistance, Capacitance and Inductance

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Resistance bridges & similar instruments	40213			Standard Resistance Set/
Resistance(Rheostat Arm)		1 mΩ	1.4×10^{-6}	SICT-CP-40213
		(1 ~ 10) mΩ	7.5×10^{-7}	
		(10 ~ 100) mΩ	4.0×10^{-6}	
		(0.1 ~ 1) Ω	4.7×10^{-7}	
		(1 ~ 10) Ω	5.1×10^{-7}	
		(10 ~ 100) Ω	4.4×10^{-7}	
		(0.1 ~ 1) kΩ	2.4×10^{-7}	
		(1 ~ 10) kΩ	5.1×10^{-7}	
		(10 ~ 100) kΩ	1.1×10^{-6}	
		(0.1 ~ 1) MΩ	1.3×10^{-6}	
		(1 ~ 10) MΩ	5.3×10^{-6}	
		(10 ~ 100) MΩ	1.1×10^{-5}	
Resistance(Ratio Arm)		1 mΩ	1.4×10^{-6}	
		(1 ~ 10) mΩ	7.5×10^{-7}	
		(10 ~ 100) mΩ	4.0×10^{-6}	
		(0.1 ~ 1) Ω	4.7×10^{-7}	
		(1 ~ 10) Ω	5.1×10^{-7}	
		(10 ~ 100) Ω	4.4×10^{-7}	
		(0.1 ~ 1) kΩ	2.4×10^{-7}	
		(1 ~ 10) kΩ	5.1×10^{-7}	
		(10 ~ 100) kΩ	1.1×10^{-6}	
		(0.1 ~ 1) MΩ	1.3×10^{-6}	
		(1 ~ 10) MΩ	5.3×10^{-6}	
		(10 ~ 100) MΩ	1.1×10^{-5}	
Resistance Ratio		0.1 ~ 1.3	33×10^{-9}	
Resistance meters	40214			Standard Resistance Set/
DC Resistance		1 μΩ	8.7×10^{-4}	SICT-CP-40214
		5 μΩ	5.8×10^{-4}	
		10 μΩ	4.8×10^{-4}	
		25 μΩ	5.2×10^{-4}	
		100 μΩ	3.0×10^{-4}	
		1 mΩ	1.2×10^{-6}	
		(1 ~ 10) mΩ	7.5×10^{-7}	
		(10 ~ 100) mΩ	4.0×10^{-6}	
		(0.1 ~ 1) Ω	4.7×10^{-7}	
		(1 ~ 10) Ω	5.1×10^{-7}	
		(10 ~ 100) Ω	4.4×10^{-7}	
		(0.1 ~ 1) kΩ	2.4×10^{-7}	
		(1 ~ 10) kΩ	5.1×10^{-7}	
		(10 ~ 100) kΩ	1.1×10^{-6}	
		(0.1 ~ 1) MΩ	1.3×10^{-6}	
		(1 ~ 10) MΩ	5.3×10^{-6}	
		(10 ~ 100) MΩ	1.1×10^{-5}	
		(0.1 ~ 1) GΩ	2.5×10^{-4}	
		(1 ~ 10) GΩ	7.1×10^{-4}	
		(10 ~ 100) GΩ	9.4×10^{-4}	
		(0.1 ~ 1) TΩ	1.5×10^{-3}	
		10 TΩ	7.1×10^{-4}	

402. Resistance, Capacitance and Inductance

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Resistance meters	40214			Standard Resistance Set/
Frequency		1 kHz	6.8×10^{-8}	SICT-CP-40214
AC Voltage		10 mV	2.4×10^{-4}	
		(10 ~ 100) mV	8.0×10^{-5}	
		(0.1 ~ 10) V	8.2×10^{-5}	
AC Resistance		(1 kHz)		
		1 mΩ	5.1×10^{-3}	
		(1 ~ 10) mΩ	5.2×10^{-4}	
		(10 ~ 100) mΩ	3.3×10^{-4}	
		(0.1 ~ 1) Ω	1.5×10^{-4}	
		1 Ω ~ 10 kΩ	1.3×10^{-4}	
		(10 ~ 100) kΩ	1.6×10^{-4}	
		(0.1 ~ 1) MΩ	3.1×10^{-4}	
		(1 ~ 10) MΩ	3.0×10^{-3}	
Resistors	40215			Standard Resistance Set/
DC Resistance		1 mΩ	1.6×10^{-6}	SICT-CP-40215
		(1 ~ 10) mΩ	1.1×10^{-6}	
		(10 ~ 100) mΩ	2.8×10^{-6}	
		(0.1 ~ 1) Ω	8.1×10^{-7}	
		(1 ~ 10) Ω	1.3×10^{-6}	
		(10 ~ 100) Ω	6.7×10^{-7}	
		(0.1 ~ 1) kΩ	6.2×10^{-7}	
		(1 ~ 10) kΩ	7.9×10^{-7}	
		(10 ~ 100) kΩ	2.0×10^{-6}	
		(0.1 ~ 1) MΩ	1.4×10^{-6}	
		(1 ~ 10) MΩ	5.2×10^{-6}	
		(10 ~ 100) MΩ	9.7×10^{-6}	
		(0.1 ~ 1) GΩ	2.3×10^{-4}	
		(1 ~ 10) GΩ	6.9×10^{-4}	
		(10 ~ 100) GΩ	9.3×10^{-4}	
		(0.1 ~ 1) TΩ	1.4×10^{-3}	
		(1 ~ 10) TΩ	4.1×10^{-3}	
		(10 ~ 100) TΩ	7.6×10^{-3}	
AC Resistance		(50 Hz ~ 1 kHz)		
		1 mΩ	1.0×10^{-3}	
		(1 ~ 10) mΩ	5.9×10^{-4}	
		(10 ~ 100) mΩ	3.9×10^{-4}	
		(0.1 ~ 1) Ω	2.4×10^{-4}	
		(1 ~ 100) Ω	2.5×10^{-4}	
		(10 Ω)		
		1 kHz	2.4×10^{-4}	
		1 MHz	4.0×10^{-4}	
		2 MHz	5.6×10^{-4}	
		3 MHz	6.5×10^{-4}	
		4 MHz	7.5×10^{-4}	
		5 MHz	1.0×10^{-3}	
		10 MHz	4.0×10^{-3}	
		13 MHz	6.0×10^{-3}	

402. Resistance, Capacitance and Inductance

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Resistors	40215			Standard Resistance Set/
AC Resistance		(10 ~ 100) Ω		SICT-CP-40215
		1 kHz	2.4×10^{-4}	
		1 MHz	4.0×10^{-4}	
		2 MHz	4.8×10^{-4}	
		3 MHz	5.6×10^{-4}	
		4 MHz	5.6×10^{-4}	
		5 MHz	5.6×10^{-4}	
		10 MHz	2.0×10^{-3}	
		13 MHz	3.0×10^{-3}	
		(100 Ω ~ 1 kΩ)		
		1 kHz	2.4×10^{-4}	
		100 kHz	4.0×10^{-4}	
		1 MHz	4.0×10^{-4}	
		2 MHz	4.0×10^{-4}	
		3 MHz	4.0×10^{-4}	
		4 MHz	4.8×10^{-4}	
		5 MHz	5.6×10^{-4}	
		10 MHz	2.0×10^{-3}	
		13 MHz	3.0×10^{-3}	
		(1 ~ 10) kΩ		
		1 kHz	2.4×10^{-4}	
		100 kHz	3.3×10^{-4}	
		1 MHz	4.0×10^{-4}	
		(10 ~ 100) kΩ		
		1 kHz	2.4×10^{-4}	
		100 kHz	4.0×10^{-4}	
		1 MHz	4.0×10^{-4}	
		(100 kΩ ~ 1 MΩ)		
		1 kHz	3.8×10^{-4}	
		(1 ~ 10) MΩ		
		1 kHz	3.0×10^{-3}	
Decade Resistance		0 Ω	64 μΩ	
		(0 ~ 10) mΩ	6.5 μΩ	
		(10 ~ 100) mΩ	64 μΩ	
		(0.1 ~ 1) Ω	66 μΩ	
		(1 ~ 7) Ω	3.9×10^{-5}	
		(7 ~ 10) Ω	1.3×10^{-5}	
		(10 ~ 70) Ω	2.0×10^{-5}	
		(70 ~ 100) Ω	9.8×10^{-6}	
		(100 ~ 700) Ω	1.9×10^{-5}	
		(0.7 ~ 1) kΩ	9.6×10^{-6}	

402. Resistance, Capacitance and Inductance

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Resistors	40215			Standard Resistance Set/
Decade Resistance		(1 ~ 7) kΩ	3.5×10^{-5}	SICT-CP-40215
		(7 ~ 10) kΩ	1.2×10^{-5}	
		(10 ~ 70) kΩ	2.0×10^{-5}	
		(70 ~ 100) kΩ	9.8×10^{-6}	
		(100 ~ 600) kΩ	2.9×10^{-5}	
		(0.6 ~ 1) MΩ	1.2×10^{-5}	
		(1 ~ 7) MΩ	8.0×10^{-5}	
		(7 ~ 10) MΩ	2.7×10^{-5}	
		(10 ~ 100) MΩ	2.0×10^{-4}	
		(0.1 ~ 1) GΩ	2.5×10^{-4}	
		(1 ~ 10) GΩ	7.0×10^{-4}	
		(10 ~ 100) GΩ	1.0×10^{-3}	
		(0.1 ~ 1) TΩ	1.5×10^{-3}	
		(1 ~ 10) TΩ	4.3×10^{-3}	
Impedance bridges/LCR meters	40217			Standard Capacitor Set,
Frequency		50 Hz ~ 100 MHz	7.0×10^{-8}	Standard Resistor Set,
				Standard Inductor/
AC Voltage		1 mV	2.1×10^{-3}	SICT-CP-40217
		(1 ~ 10) mV	4.4×10^{-4}	
		(10 ~ 100) mV	8.8×10^{-5}	
		(0.1 ~ 10) V	8.2×10^{-5}	
		(10 ~ 100) V	8.9×10^{-5}	
Capacitance		(1 pF)		
		50 Hz ~ 1 kHz	3.5×10^{-4}	
		1 kHz ~ 1 MHz	3.6×10^{-4}	
		2 MHz	4.2×10^{-4}	
		3 MHz	5.4×10^{-4}	
		4 MHz	7.2×10^{-4}	
		5 MHz	9.4×10^{-4}	
		10 MHz	2.5×10^{-3}	
		13 MHz	3.6×10^{-3}	
		(10 pF)		
		50 Hz ~ 5 MHz	3.5×10^{-4}	
		10 MHz	3.7×10^{-4}	
		13 MHz	3.8×10^{-4}	
		(100 pF)		
		50 Hz ~ 3 MHz	3.5×10^{-4}	
		4 MHz	3.6×10^{-4}	
		5 MHz	3.7×10^{-4}	
		10 MHz	4.8×10^{-4}	
		13 MHz	6.0×10^{-4}	

402. Resistance, Capacitance and Inductance

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Impedance bridges/LCR meters	40217			Standard Capacitor Set,
Capacitance		(1 000 pF)		Standard Resistor Set,
		50 Hz ~ 1 MHz	3.5×10^{-4}	Standard Inductor/
		2 MHz	3.8×10^{-4}	SICT-CP-40217
		3 MHz	4.5×10^{-4}	
		4 MHz	5.6×10^{-4}	
		5 MHz	7.2×10^{-4}	
		10 MHz	2.0×10^{-3}	
		13 MHz	2.9×10^{-3}	
		(10 nF)		
		(50 ~ 100) Hz	3.0×10^{-4}	
		100 Hz ~ 100 kHz	8.1×10^{-5}	
		(100 nF)		
		(50 ~ 100) Hz	3.0×10^{-4}	
		100 Hz ~ 100 kHz	8.1×10^{-5}	
		(1 μF)		
		(50 ~ 100) Hz	5.1×10^{-4}	
		100 Hz ~ 10 kHz	8.1×10^{-5}	
		(10 ~ 100) kHz	1.0×10^{-4}	
		(10 μF)		
		120 Hz ~ 1 kHz	1.2×10^{-3}	
		(100 μF)		
		120 Hz	1.3×10^{-3}	
		(1 mF)		
		120 Hz	1.4×10^{-3}	
		(3 mF)		
		120 Hz	1.4×10^{-3}	
		(10 mF)		
		120 Hz	1.4×10^{-3}	
		(30 mF)		
		120 Hz	2.9×10^{-3}	
		(1 pF)		
		1 kHz ~ 1 MHz	0.000 12	
		1 MHz ~ 5 MHz	0.000 23	
		5 MHz ~ 13 MHz	0.000 84	
		(10 pF)		
		1 kHz ~ 13 MHz	0.000 15	
		(100 pF)		
		1 kHz ~ 5 MHz	0.000 13	
		5 MHz ~ 13 MHz	0.000 27	

402. Resistance, Capacitance and Inductance

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Impedance bridges/LCR meters	40217			Standard Capacitor Set,
Dissipation Factor		(1 pF)		Standard Resistor Set,
		1 kHz ~ 1 MHz	0.000 12	Standard Inductor/
		(1 ~ 5) MHz	0.000 23	SICT-CP-40217
		(5 ~ 13) MHz	0.000 84	
		(10 pF)		
		1 kHz ~ 13 MHz	0.000 15	
		(100 pF)		
		1 kHz ~ 5 MHz	0.000 13	
		(5 ~ 13) MHz	0.000 27	
		(1 000 pF)		
		1 kHz ~ 1 MHz	0.000 12	
		(1 ~ 5) MHz	0.000 24	
		(5 ~ 13) MHz	0.000 86	
		(10 nF)		
		120 Hz ~ 100 kHz	0.000 46	
		(100 nF)		
		120 Hz ~ 100 kHz	0.000 58	
		(1 μF)		
		120 Hz ~ 100 kHz	0.000 81	
Resistance		(1 mΩ)		
		50 Hz	6.0×10^{-3}	
		50 Hz ~ 1 kHz	5.0×10^{-3}	
		(10 mΩ)		
		50 Hz	1.0×10^{-3}	
		50 Hz ~ 1 kHz	5.2×10^{-4}	
		(100 mΩ)		
		50 Hz	7.1×10^{-4}	
		50 Hz ~ 1 kHz	3.3×10^{-4}	
		(1 Ω)		
		50 Hz	6.8×10^{-4}	
		50 Hz ~ 1 kHz	1.3×10^{-4}	
		(10 Ω)		
		50 Hz	9.1×10^{-4}	
		50 Hz ~ 1 kHz	1.3×10^{-4}	
		1 kHz ~ 1 MHz	3.3×10^{-4}	
		(1 ~ 2) MHz	5.2×10^{-4}	
		(2 ~ 3) MHz	6.1×10^{-4}	
		(3 ~ 4) MHz	7.1×10^{-4}	
		(4 ~ 5) MHz	1.0×10^{-3}	
		(5 ~ 10) MHz	4.0×10^{-3}	
		(10 ~ 13) MHz	6.0×10^{-3}	

402. Resistance, Capacitance and Inductance

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Impedance bridges/LCR meters	40217			Standard Capacitor Set,
Resistance		(100 Ω)		Standard Resistor Set,
		50 Hz	6.2×10^{-4}	Standard Inductor/
		50 Hz ~ 1 kHz	1.3×10^{-4}	SICT-CP-40217
		1 kHz ~ 1 MHz	3.3×10^{-4}	
		(1 ~ 2) MHz	4.2×10^{-4}	
		(2 ~ 5) MHz	5.2×10^{-4}	
		(5 ~ 10) MHz	2.0×10^{-3}	
		(10 ~ 13) MHz	3.0×10^{-3}	
		(1 kΩ)		
		1 kHz	1.3×10^{-4}	
		1 kHz ~ 3 MHz	3.3×10^{-4}	
		(3 ~ 4) MHz	4.2×10^{-4}	
		(4 ~ 5) MHz	5.2×10^{-4}	
		(5 ~ 10) MHz	2.0×10^{-3}	
		(10 ~ 13) MHz	3.0×10^{-3}	
		(10 kΩ)		
		1 kHz	1.3×10^{-4}	
		(1 ~ 100) kHz	2.4×10^{-4}	
		100 kHz ~ 1 MHz	3.3×10^{-4}	
		(100 kΩ)		
		1 kHz	1.4×10^{-4}	
		100 kHz ~ 1 MHz	3.3×10^{-4}	
		(1 MΩ)		
		1 kHz	3.0×10^{-4}	
		(10 MΩ)		
		1 kHz	2.9×10^{-3}	
Inductance		(1 kHz)		
		100 μH	1.9×10^{-4}	
		1 mH	1.3×10^{-4}	
		10 mH	1.3×10^{-4}	
		100 mH	1.3×10^{-4}	
		1 H	1.3×10^{-4}	
		10 H	1.3×10^{-4}	
DC Bias		(±)		
		0 μV	0.68 μV	
		0 μV ~ 100 mV	1.1×10^{-5}	
		(0.1 ~ 1) V	7.5×10^{-6}	
		(1 ~ 10) V	7.2×10^{-6}	
		(10 ~ 100) V	8.2×10^{-6}	
DC Current		0 μA	5.8 μA	
		0 μA ~ 200 mA	4.1×10^{-5}	
		(0.2 ~ 2) A	3.6×10^{-5}	
		(2 ~ 20) A	1.9×10^{-4}	
		(20 ~ 100) A	1.4×10^{-4}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC ammeters	40301			Power Calibrator, Calibrator/
AC Current		(100 μA)		SICT-CP-40301
		40 Hz ~ 1 kHz	2.2×10^{-4}	
		(1 ~ 5) kHz	4.9×10^{-4}	
		(5 ~ 10) kHz	2.1×10^{-3}	
		(100 μA ~ 1 mA)		
		40 Hz ~ 1 kHz	1.8×10^{-4}	
		(1 ~ 5) kHz	3.8×10^{-4}	
		(5 ~ 10) kHz	2.1×10^{-3}	
		(1 ~ 10) mA		
		40 Hz ~ 1 kHz	1.8×10^{-4}	
		(1 ~ 5) kHz	3.4×10^{-4}	
		(5 ~ 10) kHz	1.9×10^{-3}	
		(10 ~ 100) mA		
		40 Hz ~ 1 kHz	1.7×10^{-4}	
		(1 ~ 5) kHz	3.2×10^{-4}	
		(5 ~ 10) kHz	1.5×10^{-3}	
		(100 mA ~ 1 A)		
		40 Hz ~ 1 kHz	3.5×10^{-4}	
		(1 ~ 5) kHz	6.7×10^{-4}	
		(5 ~ 10) kHz	8.3×10^{-3}	
		(1 ~ 10) A		
		(40 ~ 100) Hz	2.1×10^{-4}	
		100 Hz ~ 5 kHz	5.8×10^{-4}	
		(10 ~ 20) A		
		(40 ~ 100) Hz	2.0×10^{-4}	
		100 Hz ~ 5 kHz	5.3×10^{-4}	
		(20 ~ 100) A		
		(40 ~ 100) Hz	1.9×10^{-4}	
		100 Hz ~ 5 kHz	5.9×10^{-4}	
		(100 ~ 200) A		
		60 Hz	8.5×10^{-4}	
Clamp ammeters/voltmeters	40302			Power Calibrator, Calibrator/
AC Current		100 μA ~ 1 mA		SICT-CP-40302
		40 Hz ~ 1 kHz	6.5×10^{-4}	
		(1 ~ 5) kHz	7.8×10^{-4}	
		(5 ~ 10) kHz	2.1×10^{-3}	
		(1 ~ 100) mA		
		40 Hz ~ 1 kHz	6.3×10^{-4}	
		(1 ~ 5) kHz	7.2×10^{-4}	
		(5 ~ 10) kHz	2.1×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Clamp ammeters/voltmeters	40302			Power Calibrator, Calibrator/
AC Current		100 mA ~ 10 A		SICT-CP-40302
		40 Hz ~ 1 kHz	7.0×10^{-4}	
		(1 ~ 5) kHz	9.0×10^{-4}	
		(5 ~ 10) kHz	8.3×10^{-3}	
		(10 ~ 100) A		
		(40 ~ 100) Hz	6.3×10^{-4}	
		100 Hz ~ 5 kHz	8.3×10^{-4}	
		(5 ~ 10) kHz	4.3×10^{-2}	
		(100 ~ 1 000) A		
		(40 ~ 100) Hz	1.3×10^{-3}	
		100 Hz ~ 1 kHz	2.5×10^{-3}	
		(1 000 ~ 2 500) A		
		(40 ~ 60) Hz	1.3×10^{-3}	
		(2 500 ~ 3 000) A		
		60 Hz	1.3×10^{-3}	
		(3 000 ~ 6 000) A		
		60 Hz	3.9×10^{-4}	
		(6 000 ~ 10 000) A		
		60 Hz	3.3×10^{-4}	
DC Current		0 μA	9.2 nA	
		(0 ~ 100) μA	9.6×10^{-4}	
		100 μA ~ 1 A	6.2×10^{-4}	
		(1 ~ 100) A	6.4×10^{-4}	
		(100 ~ 500) A	2.7×10^{-4}	
		(500 ~ 1 000) A	3.2×10^{-4}	
		(1 000 ~ 2 000) A	5.6×10^{-4}	
		(2 000 ~ 2 500) A	1.7×10^{-3}	
AC Voltage		(1 ~ 10) mV		
		40 Hz ~ 10 kHz	4.8×10^{-3}	
		(10 ~ 50) kHz	4.9×10^{-3}	
		(50 ~ 100) kHz	6.5×10^{-3}	
		(10 ~ 100) mV		
		40 Hz ~ 10 kHz	8.5×10^{-4}	
		(10 ~ 50) kHz	9.6×10^{-4}	
		(50 ~ 100) kHz	1.4×10^{-3}	
		(100 mV ~ 1 V)		
		40 Hz ~ 10 kHz	1.6×10^{-4}	
		(10 ~ 50) kHz	2.4×10^{-4}	
		(50 ~ 100) kHz	5.7×10^{-4}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Clamp ammeters/voltmeters	40302			Power Calibrator, Calibrator/
AC Voltage		(1 ~ 10) V		SICT-CP-40302
		40 Hz ~ 10 kHz	9.0×10^{-5}	
		(10 ~ 50) kHz	1.1×10^{-4}	
		(50 ~ 100) kHz	1.5×10^{-4}	
		(10 ~ 200) V		
		40 Hz ~ 10 kHz	1.0×10^{-4}	
		(10 ~ 50) kHz	1.3×10^{-4}	
		(50 ~ 100) kHz	2.2×10^{-4}	
		(200 ~ 1 000) V		
		40 Hz ~ 1 kHz	1.8×10^{-4}	
		(1 ~ 10) kHz	2.5×10^{-4}	
		(10 ~ 20) kHz	2.0×10^{-3}	
DC VOLTAGE		0 mV	6.1 μV	
		(0 ~ 100) mV	6.1×10^{-4}	
		100 mV ~ 1 V	6.3×10^{-5}	
		(1 ~ 1 000) V	6.2×10^{-5}	
Resistance		0 Ω	0.61 mΩ	
		(0 ~ 100) Ω	6.2×10^{-4}	
		100 Ω ~ 100 kΩ	6.2×10^{-5}	
		100 kΩ ~ 10 MΩ	7.7×10^{-5}	
		(10 ~ 100) MΩ	1.3×10^{-4}	
Frequency		10 Hz ~ 10 MHz	6.5×10^{-5}	
AC voltage/current calibrators	40303			Alternating Voltage
AC Voltage		(1 mV)		Measurement Standard,
		10 Hz ~ 10 kHz	1.7×10^{-3}	Reference Multimeter,
		(10 ~ 100) kHz	3.0×10^{-3}	Current Shunt/
		100 kHz ~ 1 MHz	1.2×10^{-2}	SICT-CP-40303
		(1 ~ 2) mV		
		10 Hz ~ 10 kHz	1.1×10^{-3}	
		(10 ~ 100) kHz	1.7×10^{-3}	
		100 kHz ~ 1 MHz	7.7×10^{-3}	
		(2 ~ 5) mV		
		10 Hz	6.4×10^{-4}	
		10 Hz ~ 10 kHz	5.8×10^{-4}	
		(10 ~ 100) kHz	1.0×10^{-3}	
		100 kHz ~ 1 MHz	5.4×10^{-3}	
		(5 ~ 10) mV		
		10 Hz	4.2×10^{-4}	
		10 Hz ~ 10 kHz	3.5×10^{-4}	
		(10 ~ 100) kHz	5.8×10^{-4}	
		100 kHz ~ 1 MHz	3.9×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC voltage/current calibrators	40303			Alternating Voltage
AC Voltage		(10 ~ 20) mV		Measurement Standard,
		10 Hz	1.8×10^{-4}	Reference Multimeter,
		10 Hz ~ 10 kHz	1.4×10^{-4}	Current Shunt/
		(10 ~ 100) kHz	2.2×10^{-4}	SICT-CP-40303
		100 kHz ~ 1 MHz	2.2×10^{-3}	
		(20 ~ 50) mV		
		10 Hz	1.4×10^{-4}	
		10 Hz ~ 10 kHz	9.2×10^{-5}	
		(10 ~ 100) kHz	1.6×10^{-4}	
		100 kHz ~ 1 MHz	1.4×10^{-3}	
		(50 ~ 100) mV		
		10 Hz	1.1×10^{-4}	
		10 Hz ~ 10 kHz	6.6×10^{-5}	
		(10 ~ 100) kHz	1.2×10^{-4}	
		100 kHz ~ 1 MHz	1.3×10^{-3}	
		(100 ~ 200) mV		
		10 Hz	8.2×10^{-5}	
		10 Hz ~ 10 kHz	3.9×10^{-5}	
		(10 ~ 100) kHz	7.6×10^{-5}	
		100 kHz ~ 1 MHz	1.1×10^{-3}	
		(200 ~ 500) mV		
		10 Hz	7.8×10^{-5}	
		10 Hz ~ 10 kHz	3.6×10^{-5}	
		(10 ~ 100) kHz	7.1×10^{-5}	
		100 kHz ~ 1 MHz	1.1×10^{-3}	
		(500 mV ~ 1 V)		
		10 Hz	7.6×10^{-5}	
		10 Hz ~ 10 kHz	3.3×10^{-5}	
		(10 ~ 100) kHz	6.6×10^{-5}	
		100 kHz ~ 1 MHz	1.1×10^{-3}	
		(1 ~ 2) V		
		10 Hz	7.1×10^{-5}	
		10 Hz ~ 10 kHz	2.7×10^{-5}	
		(10 ~ 100) kHz	5.8×10^{-5}	
		100 kHz ~ 1 MHz	1.0×10^{-3}	
		(2 ~ 5) V		
		10 Hz	7.2×10^{-5}	
		10 Hz ~ 10 kHz	2.6×10^{-5}	
		10 kHz ~ 100 kHz	7.5×10^{-5}	
		100 kHz ~ 1 MHz	1.4×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC voltage/current calibrators	40303			Alternating Voltage
AC Voltage		(5 ~ 20) V		Measurement Standard,
		10 Hz	7.2×10^{-5}	Reference Multimeter,
		10 Hz ~ 10 kHz	2.8×10^{-5}	Current Shunt/
		(10 ~ 100) kHz	7.5×10^{-5}	SICT-CP-40303
		100 kHz ~ 1 MHz	1.4×10^{-3}	
		(20 ~ 50) V		
		10 Hz	7.2×10^{-5}	
		10 Hz ~ 10 kHz	3.0×10^{-5}	
		(10 ~ 100) kHz	8.0×10^{-5}	
		(50 ~ 200) V		
		10 Hz	7.4×10^{-5}	
		10 Hz ~ 10 kHz	3.3×10^{-5}	
		(10 ~ 100) kHz	8.5×10^{-5}	
		(200 ~ 1 000) V		
		10 Hz	7.7×10^{-5}	
		10 Hz ~ 10 kHz	3.3×10^{-5}	
		(10 ~ 100) kHz	5.8×10^{-4}	
AC Current		(10 μA)		
		10 Hz ~ 10 kHz	2.6×10^{-3}	
		(10 ~ 100) μA		
		10 Hz ~ 1 kHz	3.6×10^{-4}	
		(1 ~ 10) kHz	6.4×10^{-4}	
		(100 μA ~ 1 mA)		
		10 Hz	9.8×10^{-5}	
		10 Hz ~ 1 kHz	7.5×10^{-5}	
		(1 ~ 10) kHz	9.4×10^{-5}	
		(1 ~ 100) mA		
		10 Hz	7.8×10^{-5}	
		10 Hz ~ 1 kHz	4.6×10^{-5}	
		(1 ~ 10) kHz	4.2×10^{-5}	
		(100 mA ~ 1 A)		
		10 Hz	8.1×10^{-5}	
		10 Hz ~ 1 kHz	4.9×10^{-5}	
		(1 ~ 10) kHz	4.4×10^{-5}	
		(1 ~ 2) A		
		10 Hz	7.9×10^{-5}	
		10 Hz ~ 1 kHz	4.7×10^{-5}	
		(1 ~ 10) kHz	4.5×10^{-5}	

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Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC voltage/current calibrators	40303			Alternating Voltage
AC Current		(2 ~ 5) A		Measurement Standard,
		10 Hz	8.2×10^{-5}	Reference Multimeter,
		10 Hz ~ 1 kHz	5.2×10^{-5}	Current Shunt/
		(1 ~ 10) kHz	5.0×10^{-5}	SICT-CP-40303
		(5 ~ 10) A		
		10 Hz	8.6×10^{-5}	
		10 Hz ~ 1 kHz	5.9×10^{-5}	
		(1 ~ 10) kHz	7.8×10^{-5}	
		(10 ~ 20) A		
		10 Hz	9.3×10^{-5}	
		10 Hz ~ 1 kHz	6.8×10^{-5}	
		(1 ~ 10) kHz	7.8×10^{-5}	
		(20 ~ 50) A		
		10 Hz	1.0×10^{-4}	
		10 Hz ~ 1 kHz	8.3×10^{-5}	
		(1 ~ 10) kHz	1.1×10^{-4}	
		(50 ~ 100) A		
		10 Hz	1.2×10^{-4}	
		10 Hz ~ 1 kHz	9.7×10^{-5}	
		(1 ~ 10) kHz	1.3×10^{-4}	
		(100 ~ 200) A		
		60 Hz	4.5×10^{-4}	
Wattmeter calibrators	40304			Power Standard, Counter/
AC Voltage		(1 ~ 2) mV		SICT-CP-40304
		10 Hz ~ 10 kHz	1.8×10^{-3}	
		(10 ~ 100) kHz	3.1×10^{-3}	
		100 kHz ~ 1 MHz	1.2×10^{-2}	
		(2 ~ 3) mV		
		10 Hz ~ 10 kHz	1.1×10^{-3}	
		(10 ~ 100) kHz	1.7×10^{-3}	
		100 kHz ~ 1 MHz	7.7×10^{-3}	
		(3 ~ 4) mV		
		(10 ~ 40) Hz	6.4×10^{-4}	
		40 Hz ~ 10 kHz	5.8×10^{-4}	
		(10 ~ 100) kHz	1.0×10^{-3}	
		100 kHz ~ 1 MHz	5.4×10^{-3}	
		(4 ~ 6) mV		
		(10 ~ 40) Hz	5.3×10^{-4}	
		40 Hz ~ 10 kHz	4.6×10^{-4}	
		(10 ~ 100) kHz	8.1×10^{-4}	
		100 kHz ~ 1 MHz	4.6×10^{-3}	

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Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Wattmeter calibrators	40304			Power Standard, Counter/
AC Voltage		(6 ~ 10) mV		SICT-CP-40304
		(10 ~ 40) Hz	4.2×10^{-4}	
		40 Hz ~ 10 kHz	3.5×10^{-4}	
		(10 ~ 100) kHz	5.8×10^{-4}	
		100 kHz ~ 1 MHz	3.8×10^{-3}	
		(10 ~ 60) mV		
		(10 ~ 40) Hz	2.5×10^{-4}	
		40 Hz ~ 10 kHz	2.1×10^{-4}	
		(10 ~ 100) kHz	3.6×10^{-4}	
		100 kHz ~ 1 MHz	2.7×10^{-3}	
		(60 ~ 100) mV		
		(10 ~ 40) Hz	1.1×10^{-4}	
		40 Hz ~ 10 kHz	6.5×10^{-5}	
		(10 ~ 100) kHz	1.2×10^{-4}	
		100 kHz ~ 1 MHz	1.3×10^{-3}	
		(100 ~ 600) mV		
		(10 ~ 40) Hz	9.1×10^{-5}	
		40 Hz ~ 10 kHz	4.8×10^{-5}	
		(10 ~ 100) kHz	9.0×10^{-5}	
		100 kHz ~ 1 MHz	1.2×10^{-3}	
		(0.6 ~ 20) V		
		(10 ~ 40) Hz	7.6×10^{-5}	
		40 Hz ~ 10 kHz	3.3×10^{-5}	
		(10 ~ 100) kHz	7.4×10^{-5}	
		100 kHz ~ 1 MHz	1.4×10^{-3}	
		(20 ~ 1 000) V		
		(10 ~ 40) Hz	7.7×10^{-5}	
		40 Hz ~ 10 kHz	3.2×10^{-5}	
		(10 ~ 100) kHz	5.8×10^{-4}	
AC Current		(10 ~ 100) μA		
		10 Hz ~ 10 kHz	2.6×10^{-3}	
		(0.1 ~ 1) mA		
		(10 ~ 40) Hz	3.8×10^{-4}	
		40 Hz ~ 1 kHz	3.7×10^{-4}	
		(1 ~ 10) kHz	6.5×10^{-4}	
		(1 ~ 100) mA		
		(10 ~ 40) Hz	9.7×10^{-5}	
		40 Hz ~ 1 kHz	7.3×10^{-5}	
		(1 ~ 10) kHz	9.0×10^{-5}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Wattmeter calibrators	40304			Power Standard, Counter/
AC Current		(0.1 ~ 5) A		SICT-CP-40304
		(10 ~ 40) Hz	7.8×10^{-5}	
		40 Hz ~ 1 kHz	4.6×10^{-5}	
		(1 ~ 10) kHz	4.3×10^{-5}	
		(5 ~ 20) A		
		(10 ~ 40) Hz	8.9×10^{-5}	
		40 Hz ~ 1 kHz	6.3×10^{-5}	
		(1 ~ 10) kHz	7.7×10^{-5}	
		(20 ~ 100) A		
		(10 ~ 40) Hz	1.1×10^{-4}	
		40 Hz ~ 1 kHz	9.3×10^{-5}	
		(1 ~ 10) kHz	1.3×10^{-4}	
		(100 ~ 200) A		
		60 Hz	2.5×10^{-3}	
Active Power		(50 ~ 60) Hz		
		0 W	0.10 mW	
		(0 ~ 1) W	5.0×10^{-4}	
		(1 ~ 4.8) W	3.0×10^{-4}	
		4.8 W ~ 5 kW	1.6×10^{-4}	
		(5 ~ 11) kW	1.5×10^{-4}	
		(11 ~ 52.8) kW	1.4×10^{-4}	
Power Factor		(50 ~ 60) Hz		
		-1 ~ 1	0.000 2	
THD-V		(50 ~ 60) Hz		
		(0.5 ~ 3) %	0.015 %	
		(3 ~ 20) %	0.019 %	
THD-I		(50 ~ 60) Hz		
		(0.5 ~ 3) %	0.015 %	
		(3 ~ 10) %	0.019 %	
		(10 ~ 20) %	0.038 %	
Reactive Power		(50 ~ 60) Hz		
		0 var	0.10 mvar	
		(0 ~ 1) var	5.0×10^{-4}	
		(1 ~ 4.8) var	2.2×10^{-4}	
		(4.8 ~ 48) var	1.7×10^{-4}	
		48 var ~ 4.8 kvar	1.6×10^{-4}	
		(4.8 ~ 52.8) kvar	1.5×10^{-4}	
Apparent Power		(50 ~ 60) Hz		
		(24 ~ 96 000) VA	5.9×10^{-5}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Wattmeter calibrators	40304			Power Standard, Counter/
DC Voltage		(±)		SICT-CP-40304
		0 mV	0.29 μV	
		(0 ~ 20) mV	0.50 μV	
		(20 ~ 50) mV	0.56 μV	
		(50 ~ 100) mV	0.68 μV	
		(0.1 ~ 1) V	6.8×10^{-6}	
		(1 ~ 10) V	3.6×10^{-6}	
		(10 ~ 100) V	5.2×10^{-6}	
		(100 ~ 1 000) V	5.6×10^{-6}	
DC Current		(±)		
		0 μA	5.5 nA	
		(0 ~ 100) μA	5.8 nA	
		(0.1 ~ 100) mA	2.2×10^{-5}	
		(0.1 ~ 1) A	2.3×10^{-5}	
		(1 ~ 20) A	2.4×10^{-5}	
		(20 ~ 50) A	2.6×10^{-5}	
		(50 ~ 100) A	2.7×10^{-5}	
DC Power		0 mW	0.1 μW	
		(0 ~ 1) mW	6.2 μW	
		(1 ~ 10) mW	30 μW	
		10 mW ~ 10 W	3.1×10^{-3}	
		10 W ~ 1 kW	1.8×10^{-3}	
		(1 ~ 15) kW	5.4×10^{-3}	
		(15 ~ 30) kW	4.1×10^{-3}	
Frequency		10 Hz ~ 1 MHz	1.0×10^{-6}	
Flicker(P_{st})		(50 Hz)		
		(1 ~ 4 000) cpm		
		1	0.003	
Flicker($P_{inst,max,Sinusoidal}$)		(50 Hz)		
		(0.5 ~ 1.5) Hz		
		1	0.007	
		(1.5 ~ 20) Hz		
		1	0.009	
		(20 ~ 33.333) Hz		
		1	0.008	
Flicker($P_{inst,max,Square}$)		(50 Hz)		
		(0.5 ~ 18) Hz		
		1	0.007	
		(18 ~ 25) Hz		
		1	0.009	
		(25 ~ 28) Hz		
		1	0.005	
		(28 ~ 33.333) Hz		
		1	0.015	
Flicker($P_{st,\ Range}$)		(50 Hz)		
		1 620 cpm		
		0.25	0.002	
		0.25 ~ 5	0.013	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC current shunts	40305			Reference Multimeter,
AC Resistance		(40 ~ 60) Hz		Calibrator/
		(1 ~ 10) mΩ	1.8×10^{-4}	SICT-CP-40305
		(10 ~ 100) mΩ	3.5×10^{-4}	
		(60 Hz ~ 1 kHz)		
		(1 ~ 100) mΩ	5.6×10^{-4}	
		(40 Hz ~ 1 kHz)		
		100 mΩ ~ 1 Ω	3.5×10^{-4}	
		(1 ~ 100) Ω	1.8×10^{-4}	
		100 Ω ~ 10 kΩ	2.3×10^{-4}	
AC Voltage dividers		(50 Hz)		
		(1 ~ 100) kV	1.9×10^{-4}	
		(60 Hz)		
		(1 ~ 100) kV	1.9×10^{-4}	
Phase angle generators, synchro resolve generators	40306			Power Calibrator/
Phase		(-180 ~ 180) °		SICT-CP-40307
		50 Hz	0.001 6 °	
		(50 ~ 500) Hz	0.003 1 °	
		(500 ~ 1 000) Hz	0.010 °	
Voltage/current phase angle meters/synchro resolve meters	40307			Power Calibrator/
Phase		(50 ~ 60) Hz		SICT-CP-40307
		(-180 ~ 180) °	0.008 8 °	
Potential transformer test sets	40308			Standard Potential transforme,
Ratio Error		60 Hz		Ratio transformers/
		(110 ~ 1 100) V		
		(-19.99 ~ 19.99) %	0.012 %	SICT-CP-40308
		60 Hz		
		(1 100 ~ 100 000) V		
		(-19.99 ~ 19.99) %	0.015 %	
Phase Angle Error		60 Hz		
		(110 ~ 100 000) V		
		(-680 ~ 680)'	0.6'	
Ratio		60 Hz		
		5 ~ 600	1.6×10^{-4}	
Burden		(50 ~ 60) Hz		
		(1.25 ~ 2.5) VA	6.7×10^{-4}	
		(2.5 ~ 3.75) VA	4.6×10^{-4}	
		(3.75 ~ 10) VA	3.7×10^{-4}	
		(10 ~ 50) VA	3.0×10^{-4}	
		(50 ~ 100) VA	2.6×10^{-4}	
Power Factor		(50 ~ 60) Hz		
		0.8 ~ 1	0.000 14	
Potential transformer	40309			Standard Potential transforme/
Ratio		(110 ~ 1 100) V		SICT-CP-40309
		(-19.99 ~ 19.99) %	0.020 %	
		(-680 ~ 680)'	0.70'	
		(1 100 ~ 100 000) V		
		(-19.99 ~ 19.99) %	0.016 %	
Phase		(-680 ~ 680)'	0.50'	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Power factor meters	40310			Power Calibrator/
AC Power Factor		(50 Hz, 60 Hz)		SICT-CP-40310
		-1 ~ 1	1.1×10^{-4}	
AC power meters	40311			Power Calibrator, Calibrator/
AC Voltage		(1 ~ 2) mV		SICT-CP-40311
		40 Hz ~ 10 kHz	4.8×10^{-3}	
		(10 ~ 50) kHz	4.9×10^{-3}	
		(50 ~ 100) kHz	6.5×10^{-3}	
		(2 ~ 6) mV		
		40 Hz ~ 10 kHz	2.4×10^{-3}	
		(10 ~ 50) kHz	2.6×10^{-3}	
		(50 ~ 100) kHz	3.5×10^{-3}	
		(6 ~ 20) mV		
		40 Hz ~ 10 kHz	9.0×10^{-4}	
		(10 ~ 50) kHz	1.0×10^{-3}	
		(50 ~ 100) kHz	1.6×10^{-3}	
		(20 ~ 60) mV		
		40 Hz ~ 10 kHz	3.6×10^{-4}	
		(10 ~ 50) kHz	4.7×10^{-4}	
		(50 ~ 100) kHz	1.1×10^{-3}	
		(60 ~ 200) mV		
		40 Hz ~ 10 kHz	2.1×10^{-4}	
		(10 ~ 50) kHz	2.9×10^{-4}	
		(50 ~ 100) kHz	7.1×10^{-4}	
		(200 ~ 600) mV		
		40 Hz ~ 10 kHz	1.1×10^{-4}	
		(10 ~ 50) kHz	1.8×10^{-4}	
		(50 ~ 100) kHz	4.6×10^{-4}	
		(0.6 ~ 2) V		
		40 Hz ~ 10 kHz	7.1×10^{-5}	
		(10 ~ 50) kHz	1.0×10^{-4}	
		(50 ~ 100) kHz	1.6×10^{-4}	
		(2 ~ 6) V		
		40 Hz ~ 10 kHz	1.3×10^{-4}	
		(10 ~ 50) kHz	1.5×10^{-4}	
		(50 ~ 100) kHz	2.2×10^{-4}	
		(6 ~ 20) V		
		40 Hz ~ 10 kHz	8.1×10^{-5}	
		(10 ~ 50) kHz	1.1×10^{-4}	
		(50 ~ 100) kHz	1.5×10^{-4}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC power meters	40311			Power Calibrator, Calibrator/
AC Voltage		(20 ~ 60) V		SICT-CP-40311
		40 Hz ~ 50 kHz	1.6×10^{-4}	
		(50 ~ 100) kHz	3.4×10^{-4}	
		(60 ~ 200) V		
		40 Hz ~ 10 kHz	9.8×10^{-5}	
		(10 ~ 50) kHz	1.2×10^{-4}	
		(50 ~ 100) kHz	2.4×10^{-4}	
		(200 ~ 600) V		
		40 Hz ~ 1 kHz	1.8×10^{-4}	
		(1 ~ 10) kHz	2.5×10^{-4}	
		(10 ~ 20) kHz	2.0×10^{-3}	
		(600 ~ 1 000) V		
		40 Hz ~ 1 kHz	1.3×10^{-4}	
		(1 ~ 10) kHz	2.1×10^{-4}	
		(10 ~ 20) kHz	1.0×10^{-3}	
AC Current		(100 ~ 200) μA		
		40 Hz ~ 1 kHz	2.3×10^{-4}	
		(1 ~ 5) kHz	4.9×10^{-4}	
		(5 ~ 10) kHz	2.1×10^{-3}	
		(200 ~ 600) μA		
		40 Hz ~ 1 kHz	3.2×10^{-4}	
		(1 ~ 5) kHz	7.7×10^{-4}	
		(5 ~ 10) kHz	4.0×10^{-3}	
		(0.6 ~ 2) mA		
		40 Hz ~ 1 kHz	2.1×10^{-4}	
		(1 ~ 5) kHz	4.9×10^{-4}	
		(5 ~ 10) kHz	2.6×10^{-3}	
		(2 ~ 6) mA		
		40 Hz ~ 1 kHz	3.2×10^{-4}	
		(1 ~ 5) kHz	6.9×10^{-4}	
		(5 ~ 10) kHz	3.8×10^{-3}	
		(6 ~ 20) mA		
		40 Hz ~ 1 kHz	2.1×10^{-4}	
		(1 ~ 5) kHz	4.3×10^{-4}	
		(5 ~ 10) kHz	2.4×10^{-3}	
		(20 ~ 60) mA		
		40 Hz ~ 1 kHz	3.0×10^{-4}	
		(1 ~ 5) kHz	6.5×10^{-4}	
		(5 ~ 10) kHz	2.6×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC power meters	40311			Power Calibrator, Calibrator/
AC Current		(60 ~ 200) mA		SICT-CP-40311
		40 Hz ~ 1 kHz	2.0×10^{-4}	
		(1 ~ 5) kHz	4.0×10^{-4}	
		(5 ~ 10) kHz	1.8×10^{-3}	
		(200 ~ 600) mA		
		(40 ~ 50) Hz	5.8×10^{-4}	
		(50 ~ 60) Hz	1.4×10^{-4}	
		60 Hz ~ 1 kHz	5.3×10^{-4}	
		(1 ~ 5) kHz	1.2×10^{-3}	
		(5 ~ 10) kHz	9.3×10^{-3}	
		(0.6 ~ 2) A		
		(40 ~ 50) Hz	4.0×10^{-4}	
		(50 ~ 60) Hz	9.1×10^{-5}	
		60 Hz ~ 1 kHz	3.9×10^{-4}	
		(1 ~ 5) kHz	8.0×10^{-4}	
		(5 ~ 10) kHz	8.6×10^{-3}	
		(2 ~ 6) A		
		(40 ~ 50) Hz	3.3×10^{-4}	
		(50 ~ 60) Hz	9.7×10^{-5}	
		60 Hz ~ 1 kHz	7.9×10^{-4}	
		(1 ~ 5) kHz	8.2×10^{-4}	
		(5 ~ 10) kHz	8.2×10^{-3}	
		(6 ~ 20) A		
		(40 ~ 50) Hz	2.1×10^{-4}	
		(50 ~ 60) Hz	1.1×10^{-4}	
		60 Hz ~ 1 kHz	6.2×10^{-4}	
		(1 ~ 5) kHz	6.3×10^{-4}	
		(5 ~ 10) kHz	3.2×10^{-2}	
		(20 ~ 60) A		
		(40 ~ 50) Hz	2.4×10^{-4}	
		(50 ~ 60) Hz	1.8×10^{-4}	
		60 Hz ~ 1 kHz	6.5×10^{-4}	
		(1 ~ 5) kHz	6.6×10^{-4}	
		(5 ~ 10) kHz	6.2×10^{-2}	
		(60 ~ 100) A		
		(40 ~ 50) Hz	1.9×10^{-4}	
		(50 ~ 60) Hz	1.8×10^{-4}	
		60 Hz ~ 1 kHz	5.6×10^{-4}	
		(1 ~ 5) kHz	5.7×10^{-4}	
		(5 ~ 10) kHz	4.9×10^{-2}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC power meters	40311			Power Calibrator, Calibrator/
AC Current		(100 ~ 1 000) A		SICT-CP-40311
		(40 ~ 100) Hz	1.3×10^{-3}	
		100 Hz ~ 1 kHz	2.5×10^{-3}	
		(1 000 ~ 2 500) A		
		(40 ~ 60) Hz	1.3×10^{-3}	
		(2 500 ~ 3 000) A		
		60 Hz	1.4×10^{-3}	
Active Power		(50 ~ 60) Hz		
		0 W	0.10 mW	
		(0 ~ 1) W	4.9×10^{-4}	
		(1 ~ 4.8) W	3.0×10^{-4}	
		4.8 W ~ 24 kW	1.6×10^{-4}	
		(24 ~ 52.8) kW	1.4×10^{-4}	
		(52.8 ~ 600) kW	1.3×10^{-3}	
DC Voltage		0 mV	0.79 μV	
		(0 ~ 10) mV	0.85 μV	
		(10 ~ 100) mV	1.5 μV	
		(100 ~ 500) mV	1.5×10^{-5}	
		(500 ~ 900) mV	7.8×10^{-6}	
		(0.9 ~ 5) V	9.0×10^{-6}	
		(5 ~ 9) V	4.8×10^{-6}	
		(9 ~ 50) V	7.9×10^{-6}	
		(50 ~ 90) V	6.9×10^{-6}	
		(90 ~ 500) V	9.9×10^{-6}	
		(500 ~ 900) V	8.8×10^{-6}	
		(900 ~ 1 000) V	1.0×10^{-5}	
DC Current		0 μA	9.0 nA	
		(0 ~ 30) μA	10 nA	
		(30 ~ 200) μA	17 nA	
		(200 ~ 600) μA	8.6×10^{-5}	
		(0.6 ~ 2) mA	6.0×10^{-5}	
		(2 ~ 6) mA	7.3×10^{-5}	
		(6 ~ 20) mA	5.3×10^{-5}	
		(20 ~ 60) mA	9.1×10^{-5}	
		(60 ~ 200) mA	6.9×10^{-5}	
		(200 ~ 600) mA	1.7×10^{-4}	
		(0.6 ~ 2) A	1.2×10^{-4}	
		(2 ~ 6) A	4.0×10^{-4}	
		(6 ~ 60) A	2.5×10^{-4}	
		(60 ~ 100) A	1.7×10^{-4}	
		(100 ~ 2 500) A	1.3×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC power meters	40311			Power Calibrator, Calibrator/
DC Power		0 mW	0.06 μW	SICT-CP-40311
		(0 ~ 1) mW	0.08 μW	
		(1 ~ 10) mW	8.0×10^{-5}	
		(10 ~ 100) mW	6.1×10^{-5}	
		(0.1 ~ 100) W	1.1×10^{-4}	
		100 W ~ 20 kW	1.9×10^{-4}	
		(20 ~ 1 000) kW	1.0×10^{-3}	
		(1 000 ~ 2 500) kW	1.3×10^{-3}	
Power Factor		(50 ~ 60) Hz		
		-1 ~ 1	0.000 2	
Frequency		10 Hz ~ 10 MHz	1.3×10^{-4}	
THD-V		(50 ~ 60) Hz		
		(0.5 ~ 1) %	0.015 %	
		(1 ~ 3) %	0.016 %	
		(3 ~ 5) %	0.022 %	
		(5 ~ 10) %	0.027 %	
		(10 ~ 20) %	0.046 %	
THD-I		(50 ~ 60) Hz		
		(0.5 ~ 1) %	0.015 %	
		(1 ~ 3) %	0.016 %	
		(3 ~ 5) %	0.019 %	
		(5 ~ 10) %	0.038 %	
		(10 ~ 20) %	0.060 %	
Flicker(P_{st})		(50 Hz)		
		(1 ~ 4 000) cpm		
		1	0.003	
Flicker($P_{inst,max,Sinusoidal}$)		(50 Hz)		
		(0.5 ~ 1.5) Hz		
		1	0.007	
		(1.5 ~ 20) Hz		
		1	0.009	
		(20 ~ 33.333) Hz		
		1	0.008	
Flicker($P_{inst,max,Square}$)		(50 Hz)		
		(0.5 ~ 8.8) Hz		
		1	0.007	
		(8.8 ~ 18) Hz		
		1	0.008	
		(18 ~ 25) Hz		
		1	0.010	
		(25 ~ 28) Hz		
		1	0.005	
		(28 ~ 33.333) Hz		
		1	0.015	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC power meters	40311			Power Calibrator, Calibrator/
Flicker($P_{st,\ Range}$)		(50 Hz)		SICT-CP-40311
		1 620 cpm		
		0.25	0.002	
		0.25 ~ 5	0.013	
Reactive Power		(50 ~ 60) Hz		
		0 var	92 μvar	
		(0 ~ 0.5) var	4.6×10^{-4}	
		(0.5 ~ 1) var	4.1×10^{-4}	
		(1 ~ 4.8) var	1.9×10^{-4}	
		(4.8 ~ 48) var	1.7×10^{-4}	
		48 var ~ 4.8 kvar	1.6×10^{-4}	
		(4.8 ~ 52.8) kvar	1.5×10^{-4}	
Apparent Power		(50 ~ 60) Hz		
		24 VA ~ 52.8 kVA	6.1×10^{-5}	
AC power supplies	40312			Voltage Standard, Multimeter,
AC Voltage		(10 mV)		Current Shunt/
		40 Hz ~ 5 kHz	2.2×10^{-4}	SICT-CP-40312
		(10 ~ 100) mV		
		40 Hz ~ 5 kHz	7.9×10^{-5}	
		(100 mV ~ 1 V)		
		40 Hz ~ 5 kHz	6.7×10^{-5}	
		(1 ~ 10) V		
		40 Hz ~ 5 kHz	6.8×10^{-5}	
		(10 ~ 100) V		
		40 Hz ~ 5 kHz	7.0×10^{-5}	
		(100 ~ 600) V		
		40 Hz ~ 5 kHz	4.1×10^{-5}	
		(600 ~ 1 000) V		
		40 Hz ~ 5 kHz	7.1×10^{-5}	
Frequency		10 Hz	9.5×10^{-5}	
		(10 ~ 50) Hz	1.9×10^{-5}	
		(50 ~ 100) Hz	7.7×10^{-6}	
		(0.1 ~ 1) kHz	8.4×10^{-7}	
		(1 ~ 5) kHz	3.8×10^{-7}	
AC Current		(1 mA)		
		(50 ~ 60) Hz	6.4×10^{-4}	
		(1 ~ 10) mA		
		(50 ~ 60) Hz	3.6×10^{-4}	

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Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC power supplies	40312			Voltage Standard, Multimeter,
AC Current		(10 ~ 100) mA		Current Shunt/
		(50 ~ 60) Hz	2.4×10^{-4}	SICT-CP-40312
		(100 mA ~ 1 A)		
		(50 ~ 60) Hz	2.1×10^{-4}	
		(1 ~ 10) A		
		(50 ~ 60) Hz	2.3×10^{-4}	
		(10 ~ 20) A		
		(50 ~ 60) Hz	4.0×10^{-4}	
		(20 ~ 30) A		
		(50 ~ 60) Hz	6.4×10^{-4}	
		(30 ~ 50) A		
		(50 ~ 60) Hz	4.2×10^{-4}	
DC Voltage		(±)		
		0 mV	5.8 μV	
		(0 ~ 10) mV	5.8×10^{-4}	
		(10 ~ 100) mV	5.8×10^{-5}	
		(0.1 ~ 100) V	7.7×10^{-6}	
		(100 ~ 600) V	1.3×10^{-5}	
		(600 ~ 1 000) V	6.6×10^{-5}	
DC Current		(1 ~ 10) mA	5.8×10^{-3}	
		(10 ~ 100) mA	5.9×10^{-4}	
		(0.1 ~ 1) A	2.4×10^{-4}	
		(1 ~ 10) A	3.1×10^{-4}	
		(10 ~ 300) A	2.4×10^{-4}	
		(300 ~ 500) A	2.6×10^{-4}	
		(500 ~ 1 000) A	4.7×10^{-5}	
		(1 000 ~ 3 000) A	5.1×10^{-4}	
Load Regulation		(0 ~ 2) mV	0.16 mV	
		(2 ~ 20) mV	7.8×10^{-2}	
		(20 ~ 200) mV	8.2×10^{-3}	
Ripple		(0.1 ~ 0.4) mV	3.8×10^{-1}	
		(0.4 ~ 0.6) mV	1.1×10^{-1}	
		(0.6 ~ 1) mV	7.3×10^{-2}	
		(1 ~ 10) mV	4.4×10^{-2}	
		(10 ~ 50) mV	7.1×10^{-2}	
Harmonic Voltage		(50 ~ 60) Hz		
		0.5 %	0.050 %	
		(0.5 ~ 10) %	0.051 %	
		(10 ~ 20) %	0.082 %	
Harmonic Current		(50 ~ 60) Hz		
		0.5 %	0.050 %	
		(0.5 ~ 20) %	0.051 %	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Puncture/safety testers	40313			AC/DC Kilovoltmeter,
DC Voltage		(±)		High Voltage Digital Meter,
		0 kV	0.58 V	Reference Multimeter/
		(0 ~ 0.5) kV	1.2×10^{-3}	SICT-CP-40313
		(0.5 ~ 1) kV	6.1×10^{-4}	
		(1 ~ 2) kV	3.0×10^{-4}	
		(2 ~ 100) kV	2.3×10^{-4}	
		(100 ~ 200) kV	1.2×10^{-2}	
AC Voltage		(50 ~ 60) Hz		
		0.01 kV	0.58 V	
		(0.01 ~ 0.5) kV	1.2×10^{-3}	
		(0.5 ~ 1) kV	6.2×10^{-4}	
		(1 ~ 100) kV	5.7×10^{-4}	
		(100 ~ 200) kV	1.2×10^{-2}	
AC Breaking Current		(50 ~ 60) Hz		
		0.1 mA	5.3×10^{-4}	
		(0.1 ~ 0.5) mA	4.4×10^{-4}	
		(0.5 ~ 1) mA	7.3×10^{-4}	
		(1 ~ 2) mA	7.1×10^{-4}	
		(2 ~ 5) mA	4.4×10^{-4}	
		(5 ~ 10) mA	3.6×10^{-4}	
		(10 ~ 20) mA	7.1×10^{-4}	
		(20 ~ 50) mA	4.4×10^{-4}	
		(50 ~ 100) mA	7.3×10^{-4}	
DC Breaking Current		0.1 mA	3.9×10^{-4}	
		(0.1 ~ 0.5) mA	1.3×10^{-4}	
		(0.5 ~ 1) mA	6.4×10^{-4}	
		(1 ~ 2) mA	3.2×10^{-4}	
		(2 ~ 5) mA	1.3×10^{-4}	
		(5 ~ 10) mA	6.5×10^{-5}	
		(10 ~ 20) mA	3.3×10^{-4}	
		(20 ~ 50) mA	1.4×10^{-4}	
		(50 ~ 100) mA	6.4×10^{-4}	
Resistance		1 mΩ	8.6×10^{-4}	
		(1 ~ 10) mΩ	7.2×10^{-4}	
		10 mΩ ~ 100 kΩ	6.8×10^{-4}	
Insulation Voltage		1 V	6.4×10^{-4}	
		(1 ~ 10) V	6.4×10^{-5}	
		(10 ~ 25) V	2.5×10^{-4}	
		(25 ~ 50) V	1.3×10^{-4}	
		(50 ~ 100) V	6.4×10^{-5}	
		(100 ~ 250) V	2.5×10^{-4}	
		(250 ~ 500) V	1.3×10^{-4}	
		(500 ~ 1 000) V	6.4×10^{-5}	
		(1 000 ~ 5 000) V	6.5×10^{-3}	
		(5 000 ~ 10 000) V	6.1×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Puncture/safety testers	40313			AC/DC Kilovoltmeter,
Insulation Resistance		1 kΩ	7.1×10^{-5}	High Voltage Digital Meter,
		(1 ~ 10) kΩ	3.7×10^{-5}	Reference Multimeter/
		(10 ~ 100) kΩ	2.5×10^{-5}	SICT-CP-40313
		(0.1 ~ 1) MΩ	3.1×10^{-5}	
		(1 ~ 10) MΩ	9.5×10^{-5}	
		(10 ~ 100) MΩ	2.4×10^{-5}	
		(0.1 ~ 1) GΩ	3.1×10^{-5}	
		(1 ~ 10) GΩ	6.1×10^{-5}	
		(10 ~ 100) GΩ	1.3×10^{-4}	
		(0.1 ~ 1) TΩ	2.6×10^{-4}	
		10 TΩ	6.3×10^{-4}	
Leakage current(DC)		0 μA	7.0 nA	
		(0 ~ 1) μA	7.0×10^{-3}	
		(1 ~ 2) μA	3.6×10^{-3}	
		(2 ~ 5) μA	1.4×10^{-3}	
		(5 ~ 10) μA	7.4×10^{-4}	
		(10 ~ 20) μA	4.0×10^{-4}	
		(20 ~ 50) μA	1.8×10^{-4}	
		(50 ~ 100) μA	1.3×10^{-4}	
		(100 ~ 200) μA	8.5×10^{-5}	
		(0.2 ~ 100) mA	6.1×10^{-4}	
Leakage current(AC)		(20 μA)		
		10 Hz	1.3×10^{-3}	
		(10 ~ 20) Hz	8.5×10^{-4}	
		20 Hz ~ 1 kHz	7.0×10^{-4}	
		(1 ~ 5) kHz	1.3×10^{-3}	
		(5 ~ 10) kHz	5.5×10^{-3}	
		(20 ~ 50) μA		
		10 Hz	6.8×10^{-4}	
		(10 ~ 20) Hz	4.4×10^{-4}	
		20 Hz ~ 1 kHz	3.4×10^{-4}	
		(1 ~ 5) kHz	6.8×10^{-4}	
		(5 ~ 10) kHz	2.8×10^{-3}	
		(50 ~ 100) μA		
		10 Hz	4.9×10^{-4}	
		(10 ~ 20) Hz	3.2×10^{-4}	
		20 Hz ~ 1 kHz	2.3×10^{-4}	
		(1 ~ 5) kHz	4.9×10^{-4}	
		(5 ~ 10) kHz	4.0×10^{-4}	
		(100 ~ 200) μA		
		10 Hz	3.9×10^{-4}	
		(10 ~ 20) Hz	2.5×10^{-4}	
		20 Hz ~ 1 kHz	1.7×10^{-4}	
		(1 ~ 5) kHz	4.0×10^{-4}	
		(5 ~ 10) kHz	1.7×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Puncture/safety testers	40313			AC/DC Kilovoltmeter,
Leakage current(AC)		(200 ~ 500) μA		High Voltage Digital Meter,
		10 Hz	4.4×10^{-4}	Reference Multimeter/
		(10 ~ 20) Hz	3.2×10^{-4}	SICT-CP-40313
		20 Hz ~ 1 kHz	2.4×10^{-4}	
		(1 ~ 5) kHz	5.4×10^{-4}	
		(5 ~ 10) kHz	2.8×10^{-3}	
		500 μA ~ 1 mA		
		10 Hz	7.0×10^{-4}	
		(10 ~ 20) Hz	6.6×10^{-4}	
		20 Hz ~ 1 kHz	6.3×10^{-4}	
		(1 ~ 5) kHz	7.2×10^{-4}	
		(5 ~ 10) kHz	2.1×10^{-3}	
Leakage current(AC)		(1 ~ 100) mA		
		10 Hz	7.0×10^{-4}	
		(10 ~ 20) Hz	6.6×10^{-4}	
		20 Hz ~ 1 kHz	6.3×10^{-4}	
		(1 ~ 5) kHz	7.0×10^{-4}	
		(5 ~ 10) kHz	2.7×10^{-3}	
Output AC Current		(60 Hz)		
		1 A	1.2×10^{-3}	
		(1 ~ 3) A	1.5×10^{-3}	
		(3 ~ 20) A	9.7×10^{-4}	
		(20 ~ 30) A	1.0×10^{-3}	
		(30 ~ 60) A	8.4×10^{-4}	
		(60 ~ 100) A	1.0×10^{-3}	
		(100 ~ 150) A	4.6×10^{-3}	
		(150 ~ 200) A	3.7×10^{-3}	
Timer		1 s	5.8×10^{-6}	
		(1 ~ 100) s	5.8×10^{-6}	
		(100 ~ 1 000) s	8.2×10^{-6}	
		(1 000 ~ 10 000) s	5.8×10^{-5}	
Power recorders	40314			Power Energy Calibrator/
AC Wattage		(50 ~ 60) Hz		SICT-CP-40314
		0 mW	70 μW	
		(0 ~ 0.22) mW	2.1×10^{-1}	
		(0.22 ~ 1.1) mW	4.1×10^{-2}	
		(1.1 ~ 2.2) mW	2.1×10^{-2}	
		(2.2 ~ 11) mW	4.1×10^{-3}	
		(11 ~ 22) mW	2.1×10^{-3}	
		(22 ~ 44) mW	1.0×10^{-3}	
		(44 ~ 66) mW	7.0×10^{-4}	
		(66 ~ 88) mW	5.3×10^{-4}	
		(88 ~ 110) mW	4.3×10^{-4}	
		(110 ~ 480) mW	2.1×10^{-4}	
		480 mW ~ 12 kW	1.2×10^{-4}	
		(12 ~ 24) kW	6.8×10^{-4}	
		(24 ~ 300) kW	1.2×10^{-3}	
		(300 ~ 600) kW	1.4×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Power recorders	40314			Power Energy Calibrator/
DC Wattage		0 mW	61 nW	SICT-CP-40314
		(0 ~ 1) mW	7.7×10^{-5}	
		(1 ~ 10) mW	4.8×10^{-5}	
		(10 ~ 100) mW	6.1×10^{-5}	
		(0.1 ~ 100) W	1.1×10^{-4}	
		(0.1 ~ 10) kW	1.9×10^{-4}	
		(10 ~ 20) kW	1.5×10^{-4}	
		(20 ~ 1 000) kW	1.0×10^{-3}	
		(1 000 ~ 2 500) kW	1.3×10^{-3}	
Current transformer test sets	40315			Current transforme,
Ratio Error		60 Hz		Ratio transformers/
		5 A ~ 10 kA		
		(-19.99 ~ 19.99) %	0.012 %	SICT-CP-40315
Phase Angle Error		60 Hz		
		5 A ~ 10 kA		
		(-680 ~ 680)'	0.6'	
Ratio		60 Hz		
		5 ~ 600	1.2×10^{-4}	
Burden		(50 ~ 60) Hz		
		(1.25 ~ 2.5) VA	1.0×10^{-3}	
		(2.5 ~ 3.75) VA	6.6×10^{-4}	
		(3.75 ~ 5) VA	5.3×10^{-4}	
		(5 ~ 10) VA	4.9×10^{-4}	
		(10 ~ 20) VA	3.9×10^{-4}	
		(20 ~ 50) VA	3.5×10^{-4}	
		(50 ~ 100) VA	3.2×10^{-4}	
Power Factor		(50 ~ 60) Hz		
		0.8 ~ 1	0.001 4	
Current/turn current coil transformers	40316			Current transforme/
Ratio		(5 ~ 10 000) A		SICT-CP-40316
		(-19.99 ~ 19.99) %	0.020 %	
Phase		(-680 ~ 680)'	0.70'	
Current Coil		(AC)		
		2 ~ 50	0.10 %	
		(DC)		
		2 ~ 50	0.10 %	
transducers		(±)		
		(10 A)		
		50 : 1 ~ 5 000 : 1	1.2×10^{-4}	
		(10 ~ 1 000) A		
		50 : 1 ~ 5 000 : 1	1.9×10^{-4}	
		(1 000 ~ 2 000) A		
		50 : 1 ~ 5 000 : 1	2.5×10^{-4}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC voltmeters	40318			Reference Multimeter,
AC Voltage		(600 μV)		Calibrator/
		1 kHz	7.8×10^{-3}	SICT-CP-40318
		(600 μV ~ 1 mV)		
		10 Hz	5.0×10^{-3}	
		10 Hz ~ 10 kHz	4.8×10^{-3}	
		(10 ~ 100) kHz	6.5×10^{-3}	
		(1 ~ 3) mV		
		10 Hz	2.0×10^{-3}	
		10 Hz ~ 10 kHz	1.7×10^{-3}	
		(10 ~ 100) kHz	2.8×10^{-3}	
		(3 ~ 10) mV		
		10 Hz	7.7×10^{-4}	
		10 Hz ~ 10 kHz	5.7×10^{-4}	
		(10 ~ 100) kHz	1.2×10^{-3}	
		(10 ~ 30) mV		
		10 Hz	8.0×10^{-4}	
		10 Hz ~ 10 kHz	3.7×10^{-4}	
		(10 ~ 100) kHz	1.1×10^{-3}	
		(30 ~ 100) mV		
		10 Hz	4.3×10^{-4}	
		10 Hz ~ 10 kHz	1.7×10^{-4}	
		(10 ~ 100) kHz	5.7×10^{-4}	
		(100 mV ~ 10 V)		
		10 Hz	4.9×10^{-4}	
		10 Hz ~ 10 kHz	1.1×10^{-4}	
		(10 ~ 100) kHz	2.6×10^{-4}	
		(10 ~ 100) V		
		10 Hz	5.3×10^{-4}	
		10 Hz ~ 10 kHz	1.3×10^{-4}	
		(10 ~ 100) kHz	3.6×10^{-4}	
		(100 ~ 1 000) V		
		50 Hz	3.7×10^{-4}	
		50 Hz ~ 1 kHz	1.1×10^{-4}	
		(1 mV)		
		100 kHz	6.5×10^{-3}	
		100 kHz ~ 1 MHz	2.7×10^{-2}	
		(1 ~ 10) mV		
		100 kHz	1.2×10^{-3}	
		100 kHz ~ 1 MHz	5.6×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC voltmeters	40318			Reference Multimeter,
AC Voltage		(10 ~ 100) mV		Calibrator/
		100 kHz	5.7×10^{-4}	SICT-CP-40318
		100 kHz ~ 1 MHz	3.7×10^{-3}	
		(100 mV ~ 1 V)		
		100 kHz	1.5×10^{-4}	
		100 kHz ~ 1 MHz	2.3×10^{-3}	
		(1 ~ 10) V		
		100 kHz	4.7×10^{-5}	
		100 kHz ~ 1 MHz	7.0×10^{-4}	
		(10 ~ 20) V		
		100 kHz	7.6×10^{-5}	
		100 kHz ~ 1 MHz	1.3×10^{-3}	
		(25 mV)		
		1 MHz	1.9×10^{-2}	
		(1 ~ 30) MHz	2.3×10^{-2}	
		(25 ~ 100) mV		
		1 MHz	2.3×10^{-2}	
		(1 ~ 30) MHz	2.8×10^{-2}	
		(100 ~ 300) mV		
		1 MHz	3.7×10^{-2}	
		(1 ~ 30) MHz	4.0×10^{-2}	
		(300 mV ~ 1 V)		
		1 MHz	2.4×10^{-2}	
		(1 ~ 30) MHz	2.7×10^{-2}	
		(1 ~ 2) V		
		1 MHz	1.5×10^{-2}	
		(1 ~ 30) MHz	1.8×10^{-2}	
AC Output Voltage		(1 mV)		
		10 Hz ~ 10 kHz	1.9×10^{-3}	
		(10 ~ 100) kHz	3.1×10^{-3}	
		(1 ~ 10) mV		
		10 Hz ~ 10 kHz	2.6×10^{-4}	
		(10 ~ 100) kHz	3.7×10^{-4}	
		(10 ~ 100) mV		
		10 Hz	9.2×10^{-5}	
		10 Hz ~ 10 kHz	4.8×10^{-5}	
		(10 ~ 100) kHz	9.1×10^{-5}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC voltmeters	40318			Reference Multimeter,
AC Output Voltage		(100 mV ~ 1 V)		Calibrator/
		10 Hz	7.2×10^{-5}	SICT-CP-40318
		10 Hz ~ 10 kHz	1.8×10^{-5}	
		(10 ~ 100) kHz	5.9×10^{-5}	
DC Output Voltage		1 mV	7.5×10^{-4}	
		(1 ~ 10) mV	7.6×10^{-5}	
		(10 ~ 100) mV	9.4×10^{-6}	
		(0.1 ~ 1) V	2.2×10^{-5}	
Watt hour meters	40319			Power Calibrator/
Electric-Energy(Active Power)		(50 ~ 60) Hz		SICT-CP-40319
		0 Wh	0.10 mWh	
		(0 ~ 0.02) Wh	0.10 mWh	
		(0.02 ~ 0.05) Wh	0.15 mWh	
		(0.05 ~ 0.1) Wh	0.46 mWh	
		(0.1 ~ 0.48) Wh	3.0×10^{-4}	
		(0.48 ~ 4.8) Wh	2.2×10^{-4}	
		4.8 Wh ~ 5.28 kWh	2.1×10^{-4}	
		(5.28 ~ 15.84) kWh	2.2×10^{-4}	
		(15.84 ~ 26.4) kWh	2.9×10^{-4}	
		(26.4 ~ 42.24) kWh	3.9×10^{-4}	
		(42.24 ~ 52.8) kWh	4.6×10^{-4}	
Electric-Energy(DC Power)		0 mWh	2 μWh	
		(0 ~ 1) mWh	2 μWh	
		(1 ~ 10) mWh	5 μWh	
		(10 ~ 100) mWh	5.0×10^{-4}	
		100 mWh ~ 100 Wh	4.5×10^{-4}	
		100 Wh ~ 20 kWh	5.4×10^{-4}	
		(20 ~ 100) kWh	5.1×10^{-4}	
Electric-Energy(Reactive Power)		(50 ~ 60) Hz		
		0 varh	0.10 mvarh	
		(0 ~ 0.12) varh	0.11 mvarh	
		(0.12 ~ 0.3) varh	0.18 mvarh	
		(0.3 ~ 0.6) varh	5.1×10^{-4}	
		(0.6 ~ 2.88) varh	3.8×10^{-4}	
		2.88 varh ~ 2.88 kvarh	3.4×10^{-4}	
		(2.88 ~ 31.68) kvarh	3.3×10^{-4}	
		(31.68 ~ 52.8) kvarh	4.6×10^{-4}	
Electric-Energy(Apparent Power)		(50 ~ 60) Hz		
		24 VAh ~ 52.8 kVAh	4.4×10^{-4}	
Error rate in electric-energy meas. (Active Power)		(50 ~ 60) Hz, Single phase		
		(120 ~ 480) V		
		(0.2 ~ 200) A		
		(-60 ~ 60) °		
		(-100 ~ 100) %	0.011 %	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Watt hour meters	40319			Power Calibrator/
Error rate in electric-energy meas. (Active Power)		(60 ~ 480) V (0.05 ~ 120) A (-0.25 ~ 0.5) (-100 ~ 100) %	0.023 %	SICT-CP-40319
		(60 ~ 480) V (0.05 ~ 120) A (0.5 ~ 0.25) (-100 ~ 100) %	0.023 %	
		(60 ~ 480) V (0.05 ~ 120) A -1 (-100 ~ 100) %	0.021 %	
Error rate in electric-energy meas. (Active Power)		(50 ~ 60) Hz, Three phase (120 ~ 450) V (0.2 ~ 120) A (-60 ~ 60) ° (-100 ~ 100) %	0.012 %	
Error rate in electric-energy meas. (Reactive Power)		(50 ~ 60) Hz, Single phase (120 ~ 480) V (0.2 ~ 200) A (-90 ~ -30) ° (-100 ~ 100) %	0.011 %	
		(60 ~ 480) V (0.05 ~ 1) A -(0.5 ~ 0.25) (-100 ~ 100) %	0.032 %	
		(60 ~ 480) V (0.05 ~ 1) A (0.25 ~ 1) (-100 ~ 100) %	0.032 %	
		(60 ~ 480) V (1 ~ 200) A -(0.5 ~ 0.25) (-100 ~ 100) %	0.023 %	
		(60 ~ 480) V (1 ~ 200) A (0.25 ~ 1) (-100 ~ 100) %	0.023 %	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Watt hour meters	40319			Power Calibrator/
Error rate in electric-energy meas. (Reactive Power)		(50 ~ 60) Hz, Three phase		SICT-CP-40319
		(120 ~ 450) V		
		(0.2 ~ 120) A		
		(-90 ~ -30)°		
		(-100 ~ 100) %	0.012 %	
Error rate in electric-energy meas. (Apparent Power)		(50 ~ 60) Hz, Single phase		
		(120 ~ 480) V		
		(0.2 ~ 200) A		
		(-60 ~ 60)°		
		(-100 ~ 100) %	0.007 %	
		(50 ~ 60) Hz, Three phase		
		(120 ~ 450) V		
		(0.2 ~ 120) A		
		(-60 ~ 60)°		
		(-100 ~ 100) %	0.007 %	
Ratio transformers	40321			Calibrator/
Ratio		PT (±)		SICT-CP-40321
		(0.1 ~ 1.000) %	0.006 %	
		(1.000 ~ 19.00) %	0.01 %	
		CT (±)		
		(0.1 ~ 1.000) %	0.019 %	
		(1.000 ~ 19.00) %	0.02 %	
Phase		PT (±)		
		(0.040 ~ 1.999)'	0.060'	
		(1.999 ~ 19.99)'	0.06'	
		(19.99 ~ 199.9)'	0.2'	
		(199.9 ~ 600)'	1'	
		CT (±)		
		(0.040 ~ 1.999)'	0.060'	
		(1.999 ~ 19.99)'	0.06'	
		(19.99 ~ 199.9)'	0.2'	
		(199.9 ~ 600)'	1'	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
LF amplifiers	40401			Reference Multimeter/
Amplifier		(DC)		SICT-CP-40401
		1 mV	0.4 μV	
		(1 ~ 10) mV	7.4×10^{-5}	
		(10 ~ 100) mV	6.1×10^{-5}	
		(0.1 ~ 1) V	6.0×10^{-5}	
		(1 ~ 1 000) V	1.0×10^{-4}	
		(10 Hz ~ 10 kHz)		
		1 mV	1.7 μV	
		(1 ~ 10) mV	2.6×10^{-4}	
		(10 ~ 100) mV	1.1×10^{-4}	
		(0.1 ~ 1) V	9.0×10^{-5}	
		(1 ~ 1 000) V	1.0×10^{-4}	
		(10 ~ 100) kHz		
		1 mV	3.1 μV	
		(1 ~ 10) mV	3.7×10^{-4}	
		(10 ~ 100) mV	1.1×10^{-4}	
		(0.1 ~ 1) V	8.0×10^{-5}	
		(1 ~ 1 000) V	1.0×10^{-4}	
DC/LF attenuators	40402			Reference Multimeter/
Attenuation		10 Hz ~ 100 kHz		SICT-CP-40402
		(0 ~ -20) dB	0.001 9 dB	
		(-20 ~ -60) dB	0.001 7 dB	
		(-60 ~ -70) dB	0.005 5 dB	
		(-70 ~ -80) dB	0.008 7 dB	
Multimeter calibrators	40403			Reference Multimeter/
DC Voltage		(±)		SICT-CP-40403
		0 mV	0.05 μV	
		(0 ~ 100) mV	3.3×10^{-6}	
		(0.1 ~ 1) V	1.4×10^{-6}	
		(1 ~ 10) V	1.0×10^{-6}	
		(10 ~ 100) V	1.6×10^{-6}	
		(100 ~ 1 000) V	2.1×10^{-6}	
DC Current		(±)		
		1 nA	7.0 pA	
		(1 ~ 100) nA	4.7×10^{-3}	
		100 nA ~ 10 A	1.2×10^{-5}	
		(10 ~ 50) A	4.0×10^{-5}	
		(50 ~ 100) A	4.4×10^{-5}	
AC Voltage		(1 mV)		
		10 Hz ~ 10 kHz	1.7×10^{-3}	
		(10 ~ 100) kHz	3.0×10^{-3}	
		100 kHz ~ 1 MHz	1.2×10^{-2}	
		(1 ~ 2) mV		
		10 Hz ~ 10 kHz	1.1×10^{-3}	
		(10 ~ 100) kHz	1.7×10^{-3}	
		100 kHz ~ 1 MHz	7.7×10^{-3}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Multimeter calibrators	40403			Reference Multimeter/
AC Voltage		(2 ~ 5) mV		SICT-CP-40403
		10 Hz	6.4×10^{-4}	
		10 Hz ~ 10 kHz	5.8×10^{-4}	
		(10 ~ 100) kHz	1.0×10^{-3}	
		100 kHz ~ 1 MHz	5.4×10^{-3}	
		(5 ~ 10) mV		
		10 Hz	4.2×10^{-4}	
		10 Hz ~ 10 kHz	3.5×10^{-4}	
		(10 ~ 100) kHz	5.8×10^{-4}	
		100 kHz ~ 1 MHz	3.9×10^{-3}	
		(10 ~ 20) mV		
		10 Hz	1.8×10^{-4}	
		10 Hz ~ 10 kHz	1.4×10^{-4}	
		(10 ~ 100) kHz	2.2×10^{-4}	
		100 kHz ~ 1 MHz	2.2×10^{-3}	
		(20 ~ 50) mV		
		10 Hz	1.4×10^{-4}	
		10 Hz ~ 10 kHz	9.2×10^{-5}	
		(10 ~ 100) kHz	1.6×10^{-4}	
		100 kHz ~ 1 MHz	1.4×10^{-3}	
		(50 ~ 100) mV		
		10 Hz	1.1×10^{-4}	
		10 Hz ~ 10 kHz	6.6×10^{-5}	
		(10 ~ 100) kHz	1.2×10^{-4}	
		100 kHz ~ 1 MHz	1.3×10^{-3}	
		(100 ~ 200) mV		
		10 Hz	8.2×10^{-5}	
		10 Hz ~ 10 kHz	3.9×10^{-5}	
		(10 ~ 100) kHz	7.6×10^{-5}	
		100 kHz ~ 1 MHz	1.1×10^{-3}	
		(200 ~ 500) mV		
		10 Hz	7.8×10^{-5}	
		10 Hz ~ 10 kHz	3.6×10^{-5}	
		(10 ~ 100) kHz	7.1×10^{-5}	
		100 kHz ~ 1 MHz	1.1×10^{-3}	
		(0.5 ~ 1) V		
		10 Hz	7.6×10^{-5}	
		10 Hz ~ 10 kHz	3.3×10^{-5}	
		(10 ~ 100) kHz	6.6×10^{-5}	
		100 kHz ~ 1 MHz	1.1×10^{-3}	
		(1 ~ 2) V		
		10 Hz	7.1×10^{-5}	
		10 Hz ~ 10 kHz	2.7×10^{-5}	
		(10 ~ 100) kHz	5.8×10^{-5}	
		100 kHz ~ 1 MHz	1.0×10^{-3}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Multimeter calibrators	40403			Reference Multimeter/
AC Voltage		(2 ~ 5) V		SICT-CP-40403
		10 Hz	7.2×10^{-5}	
		10 Hz ~ 10 kHz	2.6×10^{-5}	
		(10 ~ 100) kHz	7.5×10^{-5}	
		100 kHz ~ 1 MHz	1.4×10^{-3}	
		(5 ~ 20) V		
		10 Hz	7.2×10^{-5}	
		10 Hz ~ 10 kHz	2.8×10^{-5}	
		(10 ~ 100) kHz	7.5×10^{-5}	
		100 kHz ~ 1 MHz	1.4×10^{-3}	
		(20 ~ 50) V		
		10 Hz	7.2×10^{-5}	
		10 Hz ~ 10 kHz	3.0×10^{-5}	
		(10 ~ 100) kHz	8.0×10^{-5}	
		(50 ~ 200) V		
		10 Hz	7.4×10^{-5}	
		10 Hz ~ 10 kHz	3.3×10^{-5}	
		(10 ~ 100) kHz	8.5×10^{-5}	
		(200 ~ 1 000) V		
		10 Hz	7.7×10^{-5}	
		10 Hz ~ 10 kHz	3.3×10^{-5}	
		(10 ~ 100) kHz	5.8×10^{-4}	
AC Current		(10 μA)		
		10 Hz ~ 10 kHz	2.6×10^{-3}	
		(10 ~ 100) μA		
		10 Hz ~ 1 kHz	3.6×10^{-4}	
		(1 ~ 10) kHz	6.4×10^{-4}	
		(0.1 ~ 1) mA		
		10 Hz	9.8×10^{-5}	
		10 Hz ~ 1 kHz	7.5×10^{-5}	
		(1 ~ 10) kHz	9.4×10^{-5}	
		(1 ~ 100) mA		
		10 Hz	7.8×10^{-5}	
		10 Hz ~ 1 kHz	4.6×10^{-5}	
		(1 ~ 10) kHz	4.2×10^{-5}	
		(0.1 ~ 1) A		
		10 Hz	8.1×10^{-5}	
		10 Hz ~ 1 kHz	4.9×10^{-5}	
		(1 ~ 10) kHz	4.4×10^{-5}	
		(1 ~ 2) A		
		10 Hz	7.9×10^{-5}	
		10 Hz ~ 1 kHz	4.7×10^{-5}	
		(1 ~ 10) kHz	4.5×10^{-5}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Multimeter calibrators	40403			Reference Multimeter/
AC Current		(2 ~ 5) A		SICT-CP-40403
		10 Hz	8.2×10^{-5}	
		10 Hz ~ 1 kHz	5.2×10^{-5}	
		(1 ~ 10) kHz	5.0×10^{-5}	
		(5 ~ 10) A		
		10 Hz	8.6×10^{-5}	
		10 Hz ~ 1 kHz	5.9×10^{-5}	
		(1 ~ 10) kHz	7.8×10^{-5}	
		(10 ~ 20) A		
		10 Hz	9.3×10^{-5}	
		10 Hz ~ 1 kHz	6.8×10^{-5}	
		(1 ~ 10) kHz	7.8×10^{-5}	
		(20 ~ 50) A		
		10 Hz	1.0×10^{-4}	
		10 Hz ~ 1 kHz	8.3×10^{-5}	
		(1 ~ 10) kHz	1.1×10^{-4}	
		(50 ~ 100) A		
		10 Hz	1.2×10^{-4}	
		10 Hz ~ 1 kHz	9.7×10^{-5}	
		(1 ~ 10) kHz	1.3×10^{-4}	
		(100 ~ 200) A		
		60 Hz	4.5×10^{-4}	
Resistance		0 Ω	0.14 μΩ	
		(0 ~ 1) Ω	6.6×10^{-6}	
		(1 ~ 1.9) Ω	8.4×10^{-6}	
		(1.9 ~ 10) Ω	3.6×10^{-6}	
		(10 ~ 19) Ω	2.6×10^{-6}	
		(19 ~ 100) Ω	2.8×10^{-6}	
		(0.1 ~ 1) kΩ	2.5×10^{-6}	
		(1 ~ 1.9) kΩ	3.8×10^{-6}	
		(1.9 ~ 10) kΩ	2.0×10^{-6}	
		(10 ~ 19) kΩ	1.3×10^{-6}	
		(19 ~ 100) kΩ	1.9×10^{-6}	
		(100 ~ 190) kΩ	2.0×10^{-6}	
		(0.19 ~ 1) MΩ	2.9×10^{-6}	
		(1 ~ 1.9) MΩ	3.1×10^{-6}	
		(1.9 ~ 10) MΩ	3.6×10^{-6}	
		(10 ~ 19) MΩ	2.9×10^{-6}	
		(19 ~ 100) MΩ	1.5×10^{-5}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Multimeter calibrators	40403			Reference Multimeter/
Multimeter calibrators(property)				SICT-CP-40403
(Digital sampling)				
AC Voltage		(1 mV)		
		0.1 Hz ~ 3 kHz	8.4×10^{-4}	
		(1 ~ 2) mV		
		0.1 Hz ~ 3 kHz	4.2×10^{-4}	
		(2 ~ 3) mV		
		0.1 Hz ~ 3 kHz	2.8×10^{-4}	
		(3 ~ 5) mV		
		0.1 Hz ~ 3 kHz	1.7×10^{-4}	
		(5 ~ 10) mV		
		0.1 Hz ~ 3 kHz	8.8×10^{-5}	
		(10 ~ 20) mV		
		0.1 Hz ~ 3 kHz	4.8×10^{-5}	
		(20 ~ 30) mV		
		0.1 Hz ~ 3 kHz	3.6×10^{-5}	
		(30 ~ 50) mV		
		0.1 Hz ~ 3 kHz	3.0×10^{-5}	
		(50 ~ 100) mV		
		0.1 Hz ~ 3 kHz	2.6×10^{-5}	
		(100 ~ 200) mV		
		0.1 Hz ~ 3 kHz	4.8×10^{-5}	
		(200 ~ 300) mV		
		0.1 Hz ~ 3 kHz	3.6×10^{-5}	
		(300 ~ 500) mV		
		0.1 Hz ~ 3 kHz	2.8×10^{-5}	
		(500 mV ~ 1 V)		
		0.1 Hz ~ 3 kHz	2.4×10^{-5}	
		(1 ~ 2) V		
		0.1 Hz ~ 3 kHz	4.8×10^{-5}	
		(2 ~ 3) V		
		0.1 Hz ~ 3 kHz	3.6×10^{-5}	
		(3 ~ 5) V		
		0.1 Hz ~ 3 kHz	3.0×10^{-5}	
		(5 ~ 10) V		
		0.1 Hz ~ 3 kHz	2.6×10^{-5}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Multimeter calibrators	40403			Reference Multimeter/
Multimeter calibrators(property)				SICT-CP-40403
(Digital sampling)				
AC Voltage		(10 ~ 30) V		
		10 Hz ~ 3 kHz	3.6×10^{-5}	
		(30 ~ 50) V		
		10 Hz ~ 3 kHz	2.8×10^{-5}	
		(50 ~ 100) V		
		10 Hz ~ 3 kHz	2.4×10^{-5}	
		(100 ~ 200) V		
		10 Hz ~ 3 kHz	4.8×10^{-5}	
		(200 ~ 1 000) V		
		50 Hz ~ 1 kHz	2.4×10^{-5}	
Oscilloscope calibrators	40404			Calibrator/
DC Voltage Amplitude		(±)		SICT-CP-40404
		0 mV	0.50 μV	
		(0 ~ 1) mV	4.2×10^{-4}	
		(1 ~ 2) mV	2.1×10^{-5}	
		(2 ~ 5) mV	8.5×10^{-5}	
		(5 ~ 10) mV	4.3×10^{-5}	
		(10 ~ 20) mV	2.1×10^{-5}	
		(20 ~ 50) mV	8.5×10^{-6}	
		(50 ~ 100) mV	7.2×10^{-6}	
		(100 ~ 200) mV	3.8×10^{-6}	
		(200 ~ 500) mV	2.8×10^{-6}	
		(0.5 ~ 1) V	6.3×10^{-6}	
		(1 ~ 2) V	3.7×10^{-6}	
		(2 ~ 5) V	2.9×10^{-6}	
		(5 ~ 10) V	6.3×10^{-6}	
		(10 ~ 20) V	3.8×10^{-6}	
		(20 ~ 50) V	3.3×10^{-6}	
		(50 ~ 100) V	6.4×10^{-6}	
		(100 ~ 200) V	3.9×10^{-6}	
		(200 ~ 500) V	3.8×10^{-6}	
AC Voltage Amplitude		(10 Hz ~ 10 kHz)		
		1 mV	0.76 μV	
		(1 ~ 2) mV	8.3×10^{-5}	
		(2 ~ 10) mV	8.4×10^{-5}	
		(10 ~ 500) mV	6.0×10^{-5}	
		(0.5 ~ 100) V	5.8×10^{-5}	
		(100 ~ 200) V	4.0×10^{-5}	
Sine Wave Generator		(100 ~ 600) mV		
		50 kHz	0.58 mV	
		(50 ~ 500) kHz	1.0×10^{-3}	
		0.5 MHz ~ 1 GHz	1.7×10^{-2}	
		(1 ~ 6) GHz	1.9×10^{-2}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Oscilloscope calibrators	40404			Calibrator/
Sine Wave Generator		(600 mV ~ 1 V)		SICT-CP-40404
		50 kHz	0.58 mV	
		(50 ~ 500) kHz	1.0×10^{-3}	
		0.5 MHz ~ 1 GHz	1.7×10^{-2}	
		(1 ~ 6) GHz	1.9×10^{-2}	
Time Marker Generator		(0.1 ~ 1) ns	5.8×10^{-8}	
		(1 ~ 10) ns	6.5×10^{-9}	
		(10 ~ 100) ns	3.1×10^{-9}	
		0.1 μs ~ 10 ms	5.8×10^{-8}	
		(10 ~ 100) ms	6.1×10^{-9}	
		(0.1 ~ 1) s	5.8×10^{-8}	
		(1 ~ 5) s	1.2×10^{-8}	
Impedance Mesurement		(50 ~ 75) Ω	1.7×10^{-4}	
		75 Ω ~ 1 MΩ	2.1×10^{-4}	
CD/DVD meters/analyzers	40405			Modulation Domain Analyzer/
Jitter		(1.0 ~ 60.0) ns	1.7×10^{-3}	SICT-CP-40405
		1 %	0.05 %	
		2 %	0.09 %	
		4 %	0.19 %	
		8 %	0.36 %	
		10 %	0.44 %	
		15 %	0.67 %	
Video signal generators	40406			Video Measurement/
NTSC, PAL Multiburst		(0.1 ~ 1) MHz	6.0×10^{-2}	SICT-CP-40406
		(1 ~ 2) MHz	6.2×10^{-3}	
		(2 ~ 6) MHz	3.1×10^{-3}	
NTSC, PAL, SECAM Pulse and Bar		(0 ~ 300) ns	4.2×10^{-4}	
		(0 ~ 1 000) mV	3.5×10^{-3}	
NTSC, PAL , SECAM Frequency		1 Hz ~ 10 MHz	1.6×10^{-9}	
Video frequency		(10 ~ 100) Hz	6.2×10^{-8}	
		100 Hz ~ 500 MHz	6.2×10^{-9}	
Video level		(30 ~ 600) mV	2.6×10^{-3}	
		(600 ~ 1 200) mV	2.3×10^{-3}	
TTL Sync level		(1 ~ 5) V	2.7×10^{-3}	
D-TV Level		(30 ~ 600) mV	2.6×10^{-3}	
		(600 ~ 1 200) mV	2.3×10^{-3}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Video signal generators	40406			Video Measurement/
NTSC, PAL, H-Timming(Level)		(0 ~ 100) mV	2.6×10^{-3}	SICT-CP-40406
		(100 ~ 1 000) mV	3.4×10^{-3}	
(Time)		(0 ~ 254) ns	1.2×10^{-2}	
		(254 ~ 300) ns	3.8×10^{-3}	
		300 ns ~ 3 μs	3.2×10^{-3}	
		(3 ~ 7) μs	7.4×10^{-3}	
		(7 ~ 10) μs	4.2×10^{-3}	
NTSC, PAL Color Bar(Luminance Level)		(0 ~ 100) mV	0.06 mV	
		(100 ~ 1 000) mV	3.4×10^{-3}	
NTSC, PAL Color Bar(Chrominance Level)		(0 ~ 100) mV	0.06 mV	
		(100 ~ 1 000) mV	3.4×10^{-3}	
NTSC, PAL Color Bar(Phase)		(0 ~ 360)°	0.13°	
SECAM Color Bar Frequency		(D'R & D'B)		
		(3 ~ 5) MHz	1.2×10^{-3}	
RF Output frequency		10 kHz ~ 10 MHz	6.0×10^{-4}	
		(10 ~ 100) MHz	6.0×10^{-5}	
		(100 ~ 1 000) MHz	6.0×10^{-6}	
RF Output level		(0.1 ~ 10) mV	1.4×10^{-2}	
		(10 ~ 500) mV	1.3×10^{-2}	
Sound Frequency		10 Hz ~ 100 kHz	6.1×10^{-8}	
		100 kHz ~ 1 MHz	6.1×10^{-7}	
Audio distortion analyzers/meters	40407			Calibrator/
Input Frequency		1 Hz ~ 200 kHz	6.1×10^{-7}	SICT-CP-40407
Iutput Level Flatness Test		(10 ~ 100) kHz	0.008 3 dB	
Input DC Voltage		0 mV	0.27 μV	
		(0 ~ 1) mV	5.8×10^{-3}	
		(1 ~ 10) mV	5.8×10^{-4}	
		10 mV ~ 300 V	5.8×10^{-4}	
Input Distortion		(100 Hz ~ 10 kHz)		
		(-10 ~ -40) dB	0.005 8 dB	
		(-40 ~ -50) dB	0.006 0 dB	
		(-50 ~ -60) dB	0.006 8 dB	
		(-60 ~ -70) dB	0.012 dB	
		(-70 ~ -80) dB	0.028 dB	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Audio distortion analyzers/meters	40407			Calibrator/
Input Distortion		(10 kHz ~ 50 kHz)		SICT-CP-40407
		(-10 ~ -40) dB	0.005 9 dB	
		(-40 ~ -50) dB	0.006 3 dB	
		(-50 ~ -60) dB	0.008 2 dB	
		(-60 ~ -70) dB	0.019 dB	
		(-70 ~ -80) dB	0.052 dB	
Input AC Voltage		(10 ~ 100) Hz		
		(1 ~ 10) mV	9.0×10^{-4}	
		(10 ~ 100) mV	4.0×10^{-4}	
		100 mV ~ 100 V	4.2×10^{-4}	
		(100 ~ 300) V	5.3×10^{-4}	
		(100 Hz ~ 1 kHz)		
		(1 ~ 10) mV	8.4×10^{-4}	
		(10 ~ 100) mV	1.8×10^{-4}	
		100 mV ~ 10 V	1.1×10^{-4}	
		(10 ~ 100) V	1.0×10^{-4}	
		(100 ~ 300) V	2.3×10^{-4}	
		(1 ~ 10) kHz		
		(1 ~ 10) mV	8.4×10^{-4}	
		(10 ~ 100) mV	1.8×10^{-4}	
		100 mV ~ 10 V	1.5×10^{-4}	
		(10 ~ 100) V	2.7×10^{-4}	
		(10 ~ 100) kHz		
		(1 ~ 10) mV	1.4×10^{-3}	
		(10 ~ 100) mV	7.6×10^{-4}	
		100 mV ~ 1 V	4.8×10^{-4}	
		(1 ~ 10) V	4.1×10^{-4}	
		(10 ~ 100) V	3.4×10^{-4}	
Input Attenuation		(10 Hz)		
		(30 ~ -50) dB	0.006 8 dB	
		(-50 ~ -60) dB	0.016 dB	
		(-60 ~ -80) dB	0.052 dB	
		(10 Hz ~ 10 kHz)		
		(30 ~ -60) dB	0.008 3 dB	
		(-60 ~ -70) dB	0.014 dB	
		(-70 ~ -80) dB	0.042 dB	
		(10 ~ 100) kHz		
		(30 ~ -50) dB	0.009 1 dB	
		(-50 ~ -70) dB	0.023 dB	
		(-70 ~ -80) dB	0.057 dB	
Input Impedance		300 Ω ~ 200 kΩ	3.1×10^{-4}	
Input Filter		(10 Hz ~ 100 kHz)		
		1 V	8.3×10^{-4}	
(Distortion meter calibrator)				
Distortion		(400 Hz , 1 kHz)		
		(-10 ~ -20) dB	0.15 dB	
		(-20 ~ -40) dB	0.14 dB	
		(-40 ~ -60) dB	0.17 dB	
		(-60 ~ -80) dB	0.26 dB	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
LF filters	40408			Audio Analyzer/
Filter		10 Hz ~ 50 kHz	5.8×10^{-4}	SICT-CP-40408
		(50 ~ 100) kHz	1.2×10^{-3}	
		(100 ~ 150) kHz	5.8×10^{-3}	
LF/audio signal analyzers	40409			Calibrator, Reference
Output Frequency		1 Hz ~ 200 kHz	5.8×10^{-6}	Multimeter/
				SICT-CP-40409
AC Output Level		(10 ~ 100) Hz		
		(1 ~ 10) mV	8.7×10^{-4}	
		10 mV ~ 30 V	9.4×10^{-5}	
		(-20 ~ 10) dBm	0.005 8 dB	
		(100 Hz ~ 10 kHz)		
		(1 ~ 10) mV	8.7×10^{-4}	
		10 mV ~ 30 V	6.5×10^{-5}	
		(-20 ~ 10) dBm	0.005 8 dB	
		(10 ~ 100) kHz		
		(1 ~ 10) mV	8.7×10^{-4}	
		10 mV ~ 30 V	9.4×10^{-5}	
		(-20 ~ 10) dBm	0.005 8 dB	
AC Output Level Flatness		10 Hz ~ 100 kHz	0.007 1 dB	
Output Attenuation		(0 ~ -60) dB	0.005 8 dB	
Output DC Offset		(±)		
		0 mV	0.7 μV	
		(0 ~ 1) mV	1.0×10^{-3}	
		(1 ~ 10) mV	1.0×10^{-4}	
		10 mV ~ 50 V	7.0×10^{-5}	
Output Impedance		5 Ω	1.2×10^{-3}	
		(10 ~ 600) Ω	6.0×10^{-4}	
Input Frequency		1 Hz ~ 200 kHz	6.1×10^{-7}	
AC Input Level Flatness		10 Hz ~ 100 kHz	0.008 3 dB	
DC Input Level		(±)		
		0 mV	0.27 μV	
		(0 ~ 1) mV	5.8×10^{-3}	
		(1 ~ 10) mV	5.8×10^{-4}	
		10 mV ~ 300 V	5.8×10^{-4}	
Input Distortion		(100 Hz ~ 10 kHz)		
		(-10 ~ -40) dB	0.005 8 dB	
		(-40 ~ -50) dB	0.006 0 dB	
		(-50 ~ -60) dB	0.006 8 dB	
		(-60 ~ -70) dB	0.012 dB	
		(-70 ~ -80) dB	0.028 dB	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
LF/audio signal analyzers	40409			Calibrator, Reference
Input Distortion		(10 kHz ~ 50 kHz)		Multimeter/
		(-10 ~ -40) dB	0.005 9 dB	SICT-CP-40409
		(-40 ~ -50) dB	0.006 3 dB	
		(-50 ~ -60) dB	0.008 2 dB	
		(-60 ~ -70) dB	0.019 dB	
		(-70 ~ -80) dB	0.052 dB	
AC Input Level		(10 ~ 100) Hz		
		(1 ~ 10) mV	9.0×10^{-4}	
		(10 ~ 100) mV	4.0×10^{-4}	
		100 mV ~ 100 V	4.2×10^{-4}	
		(100 ~ 300) V	5.3×10^{-4}	
		(100 Hz ~ 1 kHz)		
		(1 ~ 10) mV	8.4×10^{-4}	
		(10 ~ 100) mV	1.8×10^{-4}	
		100 mV ~ 10 V	1.1×10^{-4}	
		(10 ~ 100) V	1.0×10^{-4}	
		(100 ~ 300) V	2.3×10^{-4}	
		(1 ~ 10) kHz		
		(1 ~ 10) mV	8.4×10^{-4}	
		(10 ~ 100) mV	1.8×10^{-4}	
		100 mV ~ 10 V	1.5×10^{-4}	
		(10 ~ 100) V	2.7×10^{-4}	
		(10 ~ 100) kHz		
		(1 ~ 10) mV	1.4×10^{-3}	
		(10 ~ 100) mV	7.6×10^{-4}	
		100 mV ~ 1 V	4.1×10^{-4}	
		(1 ~ 10) V	3.4×10^{-4}	
		(10 ~ 100) V	2.6×10^{-4}	
Input Attenuation		(10 Hz)		
		(30 ~ -50) dB	0.006 8 dB	
		(-50 ~ -60) dB	0.016 dB	
		(-60 ~ -80) dB	0.052 dB	
		(10 Hz ~ 10 kHz)		
		(30 ~ -60) dB	0.008 3 dB	
		(-60 ~ -70) dB	0.014 dB	
		(-70 ~ -80) dB	0.042 dB	
		(10 ~ 100) kHz		
		(30 ~ -50) dB	0.009 1 dB	
		(-50 ~ -70) dB	0.023 dB	
		(-70 ~ -80) dB	0.057 dB	
Input Impedance		300 Ω ~ 200 kΩ	3.1×10^{-4}	
Input Filter		(10 Hz ~ 100 kHz)		
		1 V	8.3×10^{-4}	
Line frequency meters	40410			Calibrator/
Frequency		16 Hz ~ 1 kHz	1.3×10^{-4}	SICT-CP-40410

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Function generators	40411			Audio Analyzer, Digital
Frequency		(0.01 ~ 0.1) Hz	5.8×10^{-6}	Multimeter/
		(0.1 ~ 1) Hz	5.8×10^{-7}	SICT-CP-40411
		1 Hz ~ 1 GHz	5.8×10^{-9}	
		(1 ~ 4) GHz	1.5×10^{-8}	
Output Level		(10 ~ 100) Hz		
		1 mV	1.0×10^{-3}	
		(1 ~ 10) mV	1.0×10^{-4}	
		10 mV ~ 100 V	7.0×10^{-5}	
		(100 Hz ~ 10 kHz)		
		1 mV	1.0×10^{-3}	
		(1 ~ 10) mV	1.0×10^{-4}	
		10 mV ~ 100 V	3.0×10^{-5}	
		(10 ~ 100) kHz		
		1 mV	1.0×10^{-3}	
		(1 ~ 10) mV	1.0×10^{-4}	
		10 mV ~ 100 V	8.0×10^{-5}	
DC Offset		(±)		
		0 mV	0.7 μV	
		(0 ~ 1) mV	0.7 μV	
		(1 ~ 10) mV	1.0×10^{-4}	
		10 mV ~ 20 V	6.0×10^{-5}	
Level Flatness		(100 mV)		
		(10 ~ 100) Hz	0.099 dB	
		100 Hz ~ 10 kHz	0.083 dB	
		(10 ~ 100) kHz	0.095 dB	
		(100 mV ~ 1 V)		
		(10 ~ 100) Hz	0.005 4 dB	
		100 Hz ~ 10 kHz	0.001 1 dB	
		(10 ~ 100) kHz	0.007 2 dB	
		(1 ~ 30) V		
		(10 ~ 100) Hz	0.021 dB	
		100 Hz ~ 10 kHz	0.015 dB	
		(10 ~ 100) kHz	0.027 dB	
Attenuation		(10 Hz ~ 100 kHz)		
		(0 ~ 80) dB	0.006 1 dB	
Distortion		(20 Hz ~ 1 kHz)		
		(3.16 ~ 0.010) %	1.5×10^{-1}	
		(1 ~ 100) kHz		
		(3.16 ~ 0.010) %	3.2×10^{-1}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Function generators	40411			Audio Analyzer, Digital
Rise Fall Time		100 μs ~ 100 ns	7.0×10^{-4}	Multimeter/
		(100 ~ 10) ns	7.8×10^{-4}	SICT-CP-40411
		(10 ~ 1) ns	4.7×10^{-3}	
		1 ns ~ 100 ps	4.6×10^{-2}	
Duty cycle		(1 ~ 99) %	0.006 1 %	
High Frequency Flatness Test		(100 kHz ~ 80 MHz)		
		(0 ~ 20) dBm	0.11 dB	
FM Modulation		(0.1 ~ 400) kHz	1.2×10^{-2}	
AM Modulation		(0.1 ~ 100) %	1.2×10^{-2}	
Genescopes	40412			Signal Generator/
Marker Frequency		9 kHz ~ 10 MHz	2.8×10^{-6}	SICT-CP-40412
		(10 ~ 200) MHz	6.4×10^{-7}	
RF Level		9 kHz ~ 200 MHz		
		(100 ~ 50) dBμV	0.31 dB	
AC/DC high voltages voltmeters	40413			Calibrator/
DC Voltage		(±)		SICT-CP-40413
		0 kV	0.58 V	
		(0 ~ 0.5) kV	1.2×10^{-3}	
		(0.5 ~ 1) kV	6.1×10^{-4}	
		(1 ~ 2) kV	4.4×10^{-4}	
		(2 ~ 100) kV	3.4×10^{-4}	
AC Voltage		(50 Hz)		
		0.01 kV	0.58 V	
		(0.01 ~ 0.5) kV	1.2×10^{-3}	
		(0.5 ~ 1) kV	6.2×10^{-4}	
		(1 ~ 2) kV	5.5×10^{-4}	
		(2 ~ 3) kV	5.3×10^{-4}	
		(3 ~ 15 kV	5.0×10^{-4}	
		(15 ~ 100) kV	5.7×10^{-4}	
		(60 Hz)		
		0.01 kV	0.58 V	
		(0.01 ~ 0.5) kV	1.2×10^{-3}	
		(0.5 ~ 1) kV	6.2×10^{-4}	
		(1 ~ 2) kV	5.5×10^{-4}	
		(2 ~ 3) kV	4.7×10^{-4}	
		(3 ~ 15 kV	4.5×10^{-4}	
		(15 ~ 100) kV	5.4×10^{-4}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Jitter meters	40415			Modulation Domain Analyzer/
CD/DVD Jitter		(1 ~ 20) ns	1.7×10^{-3}	SICT-CP-40415
		(20 ~ 60) ns	1.6×10^{-3}	
VTR Jitter		0.05 μs	0.66 ns	
		(0.05 ~ 0.1) μs	0.77 ns	
		(0.1 ~ 0.2) μs	1.2 ns	
		(0.2 ~ 0.5) μs	2.8 ns	
		(0.5 ~ 0.7) μs	4.3 ns	
		1 %	0.05 %	
		2 %	0.09 %	
		4 %	0.19 %	
		8 %	0.36 %	
		10 %	0.44 %	
		15 %	0.67 %	
Leakage current testers	40416			Calibrator/
DC Current		0 μA	7.0 nA	SICT-CP-40416
		(0 ~ 1) μA	2.4×10^{-3}	
		(1 ~ 2) μA	3.6×10^{-3}	
		(2 ~ 5) μA	1.4×10^{-3}	
		(5 ~ 10) μA	7.4×10^{-4}	
		(10 ~ 20) μA	4.0×10^{-4}	
		(20 ~ 50) μA	1.8×10^{-4}	
		(50 ~ 100) μA	1.3×10^{-4}	
		(100 ~ 200) μA	8.5×10^{-5}	
		(0.2 ~ 100) mA	6.1×10^{-4}	
AC Current		(20 μA)		
		10 Hz	26 nA	
		(10 ~ 20) Hz	8.5×10^{-4}	
		(0.02 ~ 1) kHz	7.0×10^{-4}	
		(1 ~ 5) kHz	1.3×10^{-3}	
		(5 ~ 10) kHz	5.5×10^{-3}	
		(20 ~ 50) μA		
		10 Hz	6.8×10^{-4}	
		(10 ~ 20) Hz	4.4×10^{-4}	
		(0.02 ~ 1) kHz	3.4×10^{-4}	
		(1 ~ 5) kHz	6.8×10^{-4}	
		(5 ~ 10) kHz	2.8×10^{-3}	
		(50 ~ 100) μA		
		10 Hz	4.9×10^{-4}	
		(10 ~ 20) Hz	3.2×10^{-4}	
		(0.02 ~ 1) kHz	2.3×10^{-4}	
		(1 ~ 5) kHz	4.9×10^{-4}	
		(5 ~ 10) kHz	4.0×10^{-4}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Leakage current testers	40416			Calibrator/
AC Current		(100 ~ 200) μA		SICT-CP-40416
		10 Hz	3.9×10^{-4}	
		(10 ~ 20) Hz	2.5×10^{-4}	
		(0.02 ~ 1) kHz	1.7×10^{-4}	
		(1 ~ 5) kHz	4.0×10^{-4}	
		(5 ~ 10) kHz	1.7×10^{-3}	
		(200 ~ 500) μA		
		10 Hz	4.4×10^{-4}	
		(10 ~ 20) Hz	3.2×10^{-4}	
		(0.02 ~ 1) kHz	2.4×10^{-4}	
		(1 ~ 5) kHz	5.4×10^{-4}	
		(5 ~ 10) kHz	2.8×10^{-3}	
		(0.5 ~ 1) mA		
		10 Hz	7.0×10^{-4}	
		(10 ~ 20) Hz	6.6×10^{-4}	
		(0.02 ~ 1) kHz	6.3×10^{-4}	
		(1 ~ 5) kHz	7.2×10^{-4}	
		(5 ~ 10) kHz	2.1×10^{-3}	
		(1 ~ 100) mA		
		10 Hz	7.0×10^{-4}	
		(10 ~ 20) Hz	6.6×10^{-4}	
		(0.02 ~ 1) kHz	6.3×10^{-4}	
		(1 ~ 5) kHz	7.0×10^{-4}	
		(5 ~ 10) kHz	2.7×10^{-3}	
DC Voltage		0 V	0.06 mV	
		(0 ~ 0.1) V	6.0×10^{-4}	
		(0.1 ~ 0.2) V	3.0×10^{-4}	
		(0.2 ~ 0.5) V	1.2×10^{-4}	
		(0.5 ~ 1) V	6.0×10^{-5}	
		(1 ~ 2) V	3.1×10^{-4}	
		(2 ~ 5) V	1.2×10^{-4}	
		(5 ~ 10) V	6.1×10^{-5}	
		(10 ~ 20) V	3.1×10^{-5}	
		(20 ~ 50) V	1.4×10^{-5}	
		(50 ~ 100) V	8.8×10^{-6}	
		(100 ~ 200) V	3.1×10^{-5}	
		(200 ~ 300) V	2.3×10^{-5}	
		(300 ~ 500) V	1.2×10^{-4}	
		(500 ~ 1 000) V	5.8×10^{-5}	
AC Voltage		0.1 V		
		10 Hz	0.074 mV	
		(0.01 ~ 50) kHz	6.5×10^{-4}	
		(50 ~ 100) kHz	8.3×10^{-4}	
		(100 ~ 300) kHz	1.2×10^{-3}	
		(300 ~ 500) kHz	2.0×10^{-3}	
		(0.5 ~ 1) MHz	3.6×10^{-3}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Leakage current testers	40416			Calibrator/
AC Voltage		(0.1 ~ 0.2) V		SICT-CP-40416
		10 Hz	4.5×10^{-4}	
		(0.01 ~ 50) kHz	3.5×10^{-4}	
		(50 ~ 100) kHz	5.5×10^{-4}	
		(100 ~ 300) kHz	9.5×10^{-4}	
		(300 ~ 500) kHz	1.8×10^{-3}	
		(0.5 ~ 1) MHz	3.4×10^{-3}	
		(0.2 ~ 0.5) V		
		10 Hz	4.0×10^{-4}	
		(10 ~ 20) Hz	2.0×10^{-4}	
		(0.02 ~ 50) kHz	1.7×10^{-4}	
		(50 ~ 100) kHz	2.2×10^{-4}	
		(100 ~ 300) kHz	6.0×10^{-4}	
		(300 ~ 500) kHz	1.7×10^{-3}	
		(0.5 ~ 1) MHz	2.8×10^{-3}	
		(0.5 ~ 1) V		
		10 Hz	3.3×10^{-4}	
		(10 ~ 20) Hz	1.4×10^{-4}	
		(0.02 ~ 20) kHz	9.1×10^{-5}	
		(20 ~ 100) kHz	1.5×10^{-4}	
		(100 ~ 300) kHz	4.9×10^{-4}	
		(300 ~ 500) kHz	1.4×10^{-3}	
		(0.5 ~ 1) MHz	2.4×10^{-3}	
		(1 ~ 2) V		
		10 Hz	4.3×10^{-4}	
		(0.01 ~ 100) kHz	3.3×10^{-4}	
		(100 ~ 300) kHz	5.5×10^{-4}	
		(300 ~ 500) kHz	1.3×10^{-3}	
		(0.5 ~ 1) MHz	2.1×10^{-3}	
		(2 ~ 5) V		
		10 Hz	4.0×10^{-4}	
		(0.01 ~ 100) kHz	2.0×10^{-4}	
		(100 ~ 300) kHz	5.0×10^{-4}	
		(300 ~ 500) kHz	1.7×10^{-3}	
		(0.5 ~ 1) MHz	2.8×10^{-3}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Leakage current testers	40416			Calibrator/
AC Voltage		(5 ~ 10) V		SICT-CP-40416
		10 Hz	3.3×10^{-4}	
		(10 ~ 20) Hz	1.4×10^{-4}	
		(0.02 ~ 20) kHz	8.9×10^{-5}	
		(20 ~ 100) kHz	1.4×10^{-4}	
		(100 ~ 300) kHz	3.9×10^{-4}	
		(300 ~ 500) kHz	1.4×10^{-3}	
		(0.5 ~ 1) MHz	2.2×10^{-3}	
		(10 ~ 20) V		
		10 Hz	3.1×10^{-4}	
		(10 ~ 20) Hz	1.2×10^{-4}	
		(0.02 ~ 20) kHz	6.0×10^{-5}	
		(20 ~ 50) kHz	9.0×10^{-5}	
		(50 ~ 100) kHz	1.1×10^{-4}	
		(20 ~ 50) V		
		10 Hz	4.2×10^{-4}	
		(10 ~ 20) Hz	2.2×10^{-4}	
		(0.02 ~ 50) kHz	1.8×10^{-4}	
		(50 ~ 100) kHz	2.8×10^{-4}	
		(50 ~ 100) V		
		10 Hz	3.4×10^{-4}	
		(0.01 ~ 50) kHz	1.4×10^{-4}	
		(50 ~ 100) kHz	2.2×10^{-4}	
		(100 ~ 1 000) V		
		(0.05 ~ 1) kHz	1.1×10^{-4}	
Resistance		100 mΩ	7.7 μΩ	
		1 Ω ~ 10 kΩ	6.2×10^{-5}	
Input Voltage to Output Current Display(U1)		20 Hz		
		(4.75 ~ 5.25) mA	0.006 3 mA	
		50 Hz		
		(4.77 ~ 5.28) mA	0.006 1 mA	
		60 Hz		
		(4.77 ~ 5.28) mA	0.006 1 mA	
		100 Hz		
		(4.85 ~ 5.36) mA	0.006 1 mA	
		200 Hz		
		(5.11 ~ 5.65) mA	0.006 1 mA	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Leakage current testers	40416			Calibrator/
Input Voltage to Output Current Display(U1)		500 Hz (6.64 ~ 7.34) mA	0.006 1 mA	SICT-CP-40416
		1 kHz (9.70 ~ 10.73) mA	0.006 1 mA	
		2 kHz (14.07 ~ 15.56) mA	0.006 2 mA	
		5 kHz (17.82 ~ 19.70) mA	0.006 2 mA	
		10 kHz (18.66 ~ 20.63) mA	0.006 2 mA	
		20 kHz (18.92 ~ 20.92) mA	0.006 2 mA	
		50 kHz (19.00 ~ 21.00) mA	0.006 4 mA	
		100 kHz (19.00 ~ 21.00) mA	0.006 7 mA	
		200 kHz (19.00 ~ 21.00) mA	0.010 mA	
		500 kHz (19.00 ~ 21.00) mA	0.030 mA	
		1 MHz (19.00 ~ 21.00) mA	0.046 mA	
Input Voltage to Output Current Display(U2)		20 Hz (4.75 ~ 5.25) mA	0.006 3 mA	
		50 Hz (4.77 ~ 5.28) mA	0.006 1 mA	
		60 Hz (4.77 ~ 5.28) mA	0.006 1 mA	
		100 Hz (4.80 ~ 5.30) mA	0.006 1 mA	
		200 Hz (4.92 ~ 5.44) mA	0.006 1 mA	
		500 Hz (5.37 ~ 5.93) mA	0.006 1 mA	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Leakage current testers	40416			Calibrator/
Input Voltage to Output Current Display(U2)		1 kHz (5.56 ~ 6.14) mA	0.006 1 mA	SICT-CP-40416
		2 kHz (4.68 ~ 5.17) mA	0.006 1 mA	
		5 kHz (2.53 ~ 2.80) mA	0.000 63 mA	
		10 kHz (1.35 ~ 1.49) mA	0.000 62 mA	
		20 kHz (0.683 ~ 0.755) mA	0.000 61 mA	
		50 kHz (274.57 ~ 303.47) mA	0.029 μA	
		100 kHz (137.48 ~ 151.95) μA	0.020 μA	
		200 kHz (68.82 ~ 76.06) μA	0.030 μA	
		500 kHz (27.43 ~ 30.32) μA	0.042 μA	
		1 MHz (13.71 ~ 15.16) μA	0.033 μA	
Input Voltage to Output Current Display(U3)		20 Hz (4.75 ~ 5.25) mA	0.006 3 mA	
		50 Hz (4.77 ~ 5.28) mA	0.006 1 mA	
		60 Hz (4.77 ~ 5.28) mA	0.006 1 mA	
		100 Hz (4.80 ~ 5.30) mA	0.006 1 mA	
		200 Hz (4.95 ~ 5.47) mA	0.006 1 mA	
		500 Hz (5.65 ~ 6.25) mA	0.006 1 mA	
		1 kHz (6.60 ~ 7.29) mA	0.006 1 mA	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Leakage current testers	40416			Calibrator/
Input Voltage to Output Current Display(U3)		2 kHz		SICT-CP-40416
		(7.14 ~ 7.89) mA	0.006 1 mA	
		5 kHz		
		(5.31 ~ 5.87) mA	0.006 1 mA	
		10 kHz		
		(3.12 ~ 3.45) mA	0.000 64 mA	
		20 kHz		
		(1.63 ~ 1.81) mA	0.000 62 mA	
		50 kHz		
		(0.664 ~ 0.734) mA	0.000 62 mA	
		100 kHz		
		(322.16 ~ 367.12) μA	0.046 μA	
		200 kHz		
		(166.03 ~ 183.81) μA	0.070 μA	
		500 kHz		
		(66.37 ~ 73.35) μA	0.10 μA	
		1 MHz		
		(33.14 ~ 36.63) μA	0.08 μA	
Input Voltage to Output Voltage Ratio(U1)		4.00 (20 Hz)	1.3×10^{-4}	
		3.98 (50 Hz)	6.5×10^{-5}	
		3.97 (60 Hz)	6.5×10^{-5}	
		3.92 (100 Hz)	6.5×10^{-5}	
		3.72 (200 Hz)	6.5×10^{-5}	
		2.87 (500 Hz)	6.4×10^{-5}	
		1.96 (1 kHz)	6.4×10^{-5}	
		1.96 (2 kHz)	6.4×10^{-5}	
		1.96 (5 kHz)	6.4×10^{-5}	
		1.96 (10 kHz)	6.4×10^{-5}	
		1.00 (20 kHz)	6.7×10^{-5}	
		1.00 (50 kHz)	9.6×10^{-5}	
		1.00 (100 kHz)	1.2×10^{-4}	
		1.00 (200 kHz)	4.2×10^{-4}	
		1.00 (500 kHz)	1.5×10^{-3}	
		1.00 (1 MHz)	2.6×10^{-3}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Leakage current testers	40416			Calibrator/
Input Voltage to Output Voltage Ratio(U2)		4.00 (20 Hz)	1.3×10^{-4}	SICT-CP-40416
		3.99 (50 Hz)	6.5×10^{-5}	
		3.99 (60 Hz)	6.5×10^{-5}	
		3.96 (100 Hz)	6.5×10^{-5}	
		3.87 (200 Hz)	6.5×10^{-5}	
		3.54 (500 Hz)	6.5×10^{-5}	
		3.43 (1 kHz)	6.5×10^{-5}	
		4.06 (2 kHz)	6.5×10^{-5}	
		7.50 (5 kHz)	6.6×10^{-5}	
		14.1 (10 kHz)	7.0×10^{-5}	
		27.8 (20 kHz)	3.6×10^{-5}	
		69.2 (50 kHz)	4.8×10^{-5}	
		138 (100 kHz)	1.0×10^{-4}	
		272 (200 kHz)	2.7×10^{-4}	
		691 (500 kHz)	1.1×10^{-3}	
		1 382 (1 MHz)	3.0×10^{-3}	
Input Voltage to Output Voltage Ratio(U3)		4.00 (20 Hz)	1.3×10^{-4}	
		3.99 (50 Hz)	6.5×10^{-5}	
		3.98 (60 Hz)	6.5×10^{-5}	
		3.95 (100 Hz)	6.6×10^{-5}	
		3.83 (200 Hz)	6.5×10^{-5}	
		2.36 (500 Hz)	6.5×10^{-5}	
		2.87 (1 kHz)	6.4×10^{-5}	
		2.65 (2 kHz)	6.4×10^{-5}	
		3.57 (5 kHz)	6.5×10^{-5}	
		6.09 (10 kHz)	6.5×10^{-5}	
		11.6 (20 kHz)	6.9×10^{-5}	
		28.7 (50 kHz)	3.8×10^{-5}	
		57.2 (100 kHz)	7.9×10^{-5}	
		114 (200 kHz)	1.9×10^{-4}	
		286 (500 kHz)	6.1×10^{-4}	
		572 (1 MHz)	2.3×10^{-3}	
mAs Meter		1 mAs	1.2×10^{-3}	
		(1 ~ 2 000) mAs	1.0×10^{-3}	
		(2 000 ~ 9 999) mAs	1.1×10^{-3}	
Electronic AC/DC loads	40417			Calibrator/
DC Voltage		0 mV	0.058 mV	SICT-CP-40417
		(0 ~ 5) mV	5.8×10^{-2}	
		(5 ~ 20) mV	5.8×10^{-3}	
		(20 ~ 100) mV	1.2×10^{-3}	
		(0.1 ~ 1) V	6.2×10^{-5}	
		(1 ~ 2) V	3.2×10^{-5}	
		(2 ~ 4) V	2.1×10^{-5}	
		(4 ~ 7) V	1.3×10^{-5}	
		(7 ~ 9) V	9.1×10^{-6}	
		(9 ~ 10) V	7.9×10^{-6}	
		(10 ~ 50) V	3.1×10^{-5}	
		(50 ~ 100) V	1.0×10^{-5}	
		(100 ~ 200) V	3.4×10^{-5}	
		(200 ~ 400) V	2.5×10^{-5}	
		(400 ~ 1 000) V	1.6×10^{-5}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Electronic AC/DC loads	40417			Calibrator/
DC Current		1 mA	5.8 μA	SICT-CP-40417
		(1 ~ 2) mA	2.9×10^{-3}	
		(2 ~ 5) mA	1.2×10^{-3}	
		(5 ~ 20) mA	5.8×10^{-4}	
		(20 ~ 50) mA	1.2×10^{-4}	
		(50 ~ 100) mA	5.9×10^{-5}	
		(0.1 ~ 0.2) A	2.9×10^{-4}	
		(0.2 ~ 0.4) A	1.9×10^{-4}	
		(0.4 ~ 0.6) A	1.2×10^{-4}	
		(0.6 ~ 0.8) A	8.4×10^{-5}	
		(0.8 ~ 1) A	6.6×10^{-5}	
		(1 ~ 3) A	5.1×10^{-5}	
		(3 ~ 6) A	2.6×10^{-5}	
		(6 ~ 10) A	1.6×10^{-5}	
		(10 ~ 40) A	4.0×10^{-5}	
		(40 ~ 100) A	2.9×10^{-5}	
		(100 ~ 1 000) A	1.4×10^{-4}	
		(1 000 ~ 2 000) A	4.9×10^{-4}	
Charge voltage		0 mV	0.058 mV	
		(0 ~ 5) mV	5.8×10^{-2}	
		(5 ~ 20) mV	5.8×10^{-3}	
		(20 ~ 100) mV	1.2×10^{-3}	
		(0.1 ~ 1) V	6.2×10^{-5}	
		(1 ~ 2) V	3.2×10^{-5}	
		(2 ~ 4) V	2.1×10^{-5}	
		(4 ~ 7) V	1.3×10^{-5}	
		(7 ~ 9) V	9.1×10^{-6}	
		(9 ~ 10) V	7.9×10^{-6}	
		(10 ~ 50) V	3.1×10^{-5}	
		(50 ~ 100) V	1.0×10^{-5}	
		(100 ~ 200) V	3.4×10^{-5}	
		(200 ~ 400) V	2.5×10^{-5}	
		(400 ~ 1 000) V	1.6×10^{-5}	
		(1 000 ~ 1 200) V	1.0×10^{-3}	
		(1 200 ~ 1 400) V	9.2×10^{-4}	
		(1 400 ~ 1 500) V	8.7×10^{-4}	
Charge and Discharge Current		(±)		
		1 mA	5.8 μA	
		(1 ~ 2) mA	2.9×10^{-3}	
		(2 ~ 5) mA	1.2×10^{-3}	
		(5 ~ 20) mA	5.8×10^{-4}	
		(20 ~ 50) mA	1.2×10^{-4}	
		(50 ~ 100) mA	5.9×10^{-5}	
		(0.1 ~ 0.2) A	2.9×10^{-4}	
		(0.2 ~ 0.4) A	1.9×10^{-4}	
		(0.4 ~ 0.6) A	1.2×10^{-4}	
		(0.6 ~ 0.8) A	8.4×10^{-5}	
		(0.8 ~ 1) A	6.6×10^{-5}	
		(1 ~ 3) A	5.1×10^{-5}	
		(3 ~ 6) A	2.6×10^{-5}	
		(6 ~ 10) A	1.6×10^{-5}	
		(10 ~ 40) A	4.0×10^{-5}	
		(40 ~ 100) A	2.9×10^{-5}	
		(100 ~ 1 000) A	1.4×10^{-4}	
		(1 000 ~ 3 000) A	4.9×10^{-4}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Electronic AC/DC loads	40417			Calibrator/
Resistance		0.1 Ω	0.58 mΩ	SICT-CP-40417
		(0.1 ~ 1) Ω	2.1×10^{-3}	
		(1 ~ 2) Ω	4.0×10^{-3}	
		(2 ~ 4) Ω	2.3×10^{-3}	
		(4 ~ 500) Ω	1.6×10^{-3}	
		(0.5 ~ 2) kΩ	9.0×10^{-4}	
		(2 ~ 10) kΩ	2.0×10^{-4}	
AC Voltage		(0.001 V)		
		(40 ~ 400) Hz	0.61 mV	
		(0.001 ~ 0.1) V		
		(40 ~ 400) Hz	6.1×10^{-3}	
		(0.1 ~ 0.2) V		
		(40 ~ 400) Hz	3.1×10^{-3}	
		(0.2 ~ 0.5) V		
		(40 ~ 400) Hz	1.2×10^{-3}	
		(0.5 ~ 2) V		
		(40 ~ 400) Hz	6.2×10^{-4}	
		(2 ~ 3) V		
		(40 ~ 400) Hz	2.8×10^{-4}	
		(3 ~ 7) V		
		(40 ~ 400) Hz	2.3×10^{-4}	
		(7 ~ 20) V		
		(40 ~ 50) Hz	1.5×10^{-4}	
		(50 ~ 400) Hz	9.8×10^{-5}	
		(20 ~ 80) V		
		(40 ~ 50) Hz	2.1×10^{-4}	
		(50 ~ 400) Hz	1.2×10^{-4}	
		(80 ~ 200) V		
		(40 ~ 400) Hz	1.3×10^{-4}	
		(200 ~ 500) V		
		(50 ~ 400) Hz	1.8×10^{-4}	
AC Current		(1 mA)		
		(40 ~ 400) Hz	0.58 mA	
		(1 ~ 100) mA		
		(40 ~ 400) Hz	5.8×10^{-2}	
		(100 mA ~ 0.2 A)		
		(40 ~ 400) Hz	5.8×10^{-3}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Electronic AC/DC loads	40417			Calibrator/
AC Current		(0.2 ~ 0.6) A		SICT-CP-40417
		(40 ~ 400) Hz	2.0×10^{-3}	
		(0.6 ~ 2) A		
		(40 ~ 400) Hz	9.4×10^{-4}	
		(2 ~ 5) A		
		(40 ~ 400) Hz	1.2×10^{-3}	
		(5 ~ 20) A)		
		(40 ~ 400) Hz	1.0×10^{-3}	
AC Resistance		(1 Ω)		
		(40 ~ 400) Hz	1.0 mΩ	
		(1 ~ 50) Ω		
		(40 ~ 400) Hz	1.5×10^{-3}	
		(50 ~ 100) Ω		
		(40 ~ 400) Hz	1.1×10^{-3}	
		(100 Ω ~ 10 kΩ)		
		(40 ~ 400) Hz	1.7×10^{-3}	
Modulation meters	40418			Measuring Receiver/
Frequency Modulation		0 kHz	1 Hz	SICT-CP-40418
		(0 ~ 400) kHz	1.2×10^{-2}	
Amplitude Modulation		0 %	0.01 %	
		(0 ~ 100) %	1.2×10^{-2}	
Phase Modulation		0 rad	1.2 mrad	
		(0 ~ 400) rad	1.2×10^{-2}	
Analogue/digital multimeters	40419			Calibrator/
DC Voltage		(±)		SICT-CP-40419
		0 mV	0.43 μV	
		(0 ~ 1) mV	5.0×10^{-4}	
		(1 ~ 2) mV	2.5×10^{-4}	
		(2 ~ 5) mV	1.0×10^{-4}	
		(5 ~ 10) mV	5.0×10^{-5}	
		(10 ~ 15) mV	3.3×10^{-5}	
		(15 ~ 20) mV	2.5×10^{-6}	
		(20 ~ 50) mV	1.2×10^{-5}	
		(0.05 ~ 0.2) V	8.0×10^{-6}	
		(0.2 ~ 0.5) V	4.8×10^{-6}	
		(0.5 ~ 1) V	3.8×10^{-6}	
		(1 ~ 2) V	4.0×10^{-6}	
		(2 ~ 5) V	2.6×10^{-6}	
		(5 ~ 10) V	2.3×10^{-6}	
		(10 ~ 20) V	6.0×10^{-6}	
		(20 ~ 50) V	4.0×10^{-6}	
		(50 ~ 100) V	3.5×10^{-6}	
		(100 ~ 200) V	8.0×10^{-6}	
		(200 ~ 500) V	5.2×10^{-6}	
		(500 ~ 1 000) V	4.5×10^{-6}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Analogue/digital multimeters	40419			Calibrator/
AC Voltage		(0.6 mV)		SICT-CP-40419
		1 kHz	4.1 μV	
		(1 mV)		
		10 Hz	4.2 μV	
		(10 ~ 40) Hz	4.2 μV	
		(0.04 ~ 20) kHz	4.1 μV	
		(20 ~ 50) kHz	4.2 μV	
		(50 ~ 100) kHz	5.5 μV	
		(100 ~ 300) kHz	11 μV	
		(300 ~ 500) kHz	21 μV	
		(0.5 ~ 1) MHz	23 μV	
		(1 ~ 2) mV		
		10 Hz	2.2×10^{-3}	
		(10 ~ 40) Hz	2.2×10^{-3}	
		(0.04 ~ 20) kHz	2.1×10^{-3}	
		(20 ~ 50) kHz	2.2×10^{-3}	
		(50 ~ 100) kHz	3.0×10^{-3}	
		(100 ~ 300) kHz	6.0×10^{-3}	
		(300 ~ 500) kHz	1.1×10^{-2}	
		(0.5 ~ 1) MHz	1.3×10^{-2}	
		(2 ~ 5) mV		
		10 Hz	1.1×10^{-3}	
		(10 ~ 40) Hz	9.2×10^{-4}	
		(0.04 ~ 20) kHz	9.0×10^{-4}	
		(20 ~ 50) kHz	1.0×10^{-3}	
		(50 ~ 100) kHz	1.5×10^{-3}	
		(100 ~ 300) kHz	3.0×10^{-3}	
		(300 ~ 500) kHz	5.2×10^{-3}	
		(0.5 ~ 1) MHz	6.8×10^{-3}	
		(5 ~ 10) mV		
		10 Hz	6.3×10^{-4}	
		(10 ~ 40) Hz	5.0×10^{-4}	
		(0.04 ~ 20) kHz	4.9×10^{-4}	
		(20 ~ 50) kHz	5.9×10^{-4}	
		(50 ~ 100) kHz	9.5×10^{-4}	
		(100 ~ 300) kHz	1.9×10^{-3}	
		(300 ~ 500) kHz	3.2×10^{-3}	
		(0.5 ~ 1) MHz	4.3×10^{-3}	
		(10 ~ 15) mV		
		10 Hz	4.8×10^{-4}	
		(10 ~ 40) Hz	3.6×10^{-4}	
		(0.04 ~ 20) kHz	3.5×10^{-4}	
		(20 ~ 50) kHz	4.5×10^{-4}	
		(50 ~ 100) kHz	7.6×10^{-4}	
		(100 ~ 300) kHz	1.5×10^{-3}	
		(300 ~ 500) kHz	2.5×10^{-3}	
		(0.5 ~ 1) MHz	3.7×10^{-3}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Analogue/digital multimeters	40419			Calibrator/
AC Voltage		(15 ~ 20) mV		SICT-CP-40419
		10 Hz	4.1×10^{-4}	
		(10 ~ 40) Hz	2.9×10^{-4}	
		(0.04 ~ 20) kHz	2.8×10^{-4}	
		(20 ~ 50) kHz	3.8×10^{-4}	
		(50 ~ 100) kHz	6.7×10^{-4}	
		(100 ~ 300) kHz	1.4×10^{-3}	
		(300 ~ 500) kHz	2.2×10^{-3}	
		(0.5 ~ 1) MHz	3.4×10^{-3}	
		(20 ~ 50) mV		
		10 Hz	4.6×10^{-4}	
		(10 ~ 40) Hz	2.6×10^{-4}	
		(0.04 ~ 20) kHz	2.1×10^{-4}	
		(20 ~ 50) kHz	2.7×10^{-4}	
		(50 ~ 100) kHz	6.6×10^{-4}	
		(100 ~ 300) kHz	1.0×10^{-3}	
		(300 ~ 500) kHz	1.6×10^{-3}	
		(0.5 ~ 1) MHz	3.3×10^{-3}	
		(50 ~ 100) mV		
		10 Hz	3.3×10^{-4}	
		(10 ~ 40) Hz	1.6×10^{-4}	
		(0.04 ~ 20) kHz	1.3×10^{-4}	
		(20 ~ 50) kHz	1.9×10^{-4}	
		(50 ~ 100) kHz	4.8×10^{-4}	
		(100 ~ 300) kHz	7.6×10^{-4}	
		(300 ~ 500) kHz	1.3×10^{-3}	
		(0.5 ~ 1) MHz	2.8×10^{-3}	
		(100 ~ 150) mV		
		10 Hz	2.9×10^{-4}	
		(10 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 20) kHz	1.0×10^{-4}	
		(20 ~ 50) kHz	1.6×10^{-4}	
		(50 ~ 100) kHz	4.1×10^{-4}	
		(100 ~ 300) kHz	6.8×10^{-4}	
		(300 ~ 500) kHz	1.3×10^{-3}	
		(0.5 ~ 1) MHz	2.6×10^{-3}	
		(150 ~ 200) mV		
		10 Hz	2.7×10^{-4}	
		(10 ~ 40) Hz	1.2×10^{-4}	
		(0.04 ~ 20) kHz	9.2×10^{-5}	
		(20 ~ 50) kHz	1.4×10^{-4}	
		(50 ~ 100) kHz	3.9×10^{-4}	
		(100 ~ 300) kHz	6.4×10^{-4}	
		(300 ~ 500) kHz	1.2×10^{-3}	
		(0.5 ~ 1) MHz	2.6×10^{-3}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Analogue/digital multimeters	40419			Calibrator/
AC Voltage		(0.2 ~ 0.5) V		SICT-CP-40419
		10 Hz	3.0×10^{-4}	
		(10 ~ 20) Hz	1.3×10^{-4}	
		(20 ~ 40) Hz	9.0×10^{-5}	
		(0.04 ~ 20) kHz	6.6×10^{-5}	
		(20 ~ 50) kHz	1.0×10^{-4}	
		(50 ~ 100) kHz	1.6×10^{-4}	
		(100 ~ 300) kHz	4.6×10^{-4}	
		(300 ~ 500) kHz	1.2×10^{-3}	
		(0.5 ~ 1) MHz	2.7×10^{-3}	
		(0.5 ~ 1) V		
		10 Hz	2.5×10^{-4}	
		(10 ~ 20) Hz	1.0×10^{-4}	
		(20 ~ 40) Hz	5.8×10^{-5}	
		(0.04 ~ 20) kHz	4.9×10^{-5}	
		(20 ~ 50) kHz	7.7×10^{-5}	
		(50 ~ 100) kHz	1.2×10^{-4}	
		(100 ~ 300) kHz	3.6×10^{-4}	
		(300 ~ 500) kHz	1.0×10^{-3}	
		(0.5 ~ 1) MHz	2.5×10^{-3}	
		(1 ~ 2) V		
		10 Hz	2.2×10^{-4}	
		(10 ~ 20) Hz	8.5×10^{-5}	
		(20 ~ 40) Hz	4.5×10^{-5}	
		(0.04 ~ 20) kHz	4.2×10^{-5}	
		(20 ~ 50) kHz	6.8×10^{-5}	
		(50 ~ 100) kHz	9.6×10^{-5}	
		(100 ~ 300) kHz	3.2×10^{-4}	
		(300 ~ 500) kHz	9.0×10^{-4}	
		(0.5 ~ 1) MHz	2.4×10^{-3}	
		(2 ~ 5) V		
		10 Hz	3.0×10^{-4}	
		(10 ~ 20) Hz	1.3×10^{-4}	
		(20 ~ 40) Hz	8.2×10^{-5}	
		(0.04 ~ 20) kHz	6.2×10^{-5}	
		(20 ~ 50) kHz	1.0×10^{-4}	
		(50 ~ 100) kHz	1.4×10^{-4}	
		(100 ~ 300) kHz	4.4×10^{-4}	
		(300 ~ 500) kHz	1.3×10^{-3}	
		(0.5 ~ 1) MHz	2.2×10^{-3}	
		(5 ~ 10) V		
		10 Hz	2.5×10^{-4}	
		(10 ~ 20) Hz	9.8×10^{-5}	
		(20 ~ 40) Hz	5.4×10^{-5}	
		(0.04 ~ 20) kHz	4.7×10^{-5}	
		(20 ~ 50) kHz	7.7×10^{-5}	
		(50 ~ 100) kHz	1.1×10^{-4}	
		(100 ~ 300) kHz	3.2×10^{-4}	
		(300 ~ 500) kHz	1.0×10^{-3}	
		(0.5 ~ 1) MHz	1.7×10^{-3}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Analogue/digital multimeters	40419			Calibrator/
AC Voltage		(10 ~ 15) V		SICT-CP-40419
		10 Hz	2.3×10^{-4}	
		(10 ~ 20) Hz	8.7×10^{-5}	
		(20 ~ 40) Hz	4.6×10^{-5}	
		(0.04 ~ 20) kHz	4.3×10^{-5}	
		(20 ~ 50) kHz	7.1×10^{-5}	
		(50 ~ 100) kHz	9.5×10^{-5}	
		(100 ~ 300) kHz	2.9×10^{-4}	
		(300 ~ 500) kHz	9.4×10^{-4}	
		(0.5 ~ 1) MHz	1.5×10^{-3}	
		(15 ~ 20) V		
		10 Hz	2.2×10^{-4}	
		(10 ~ 20) Hz	8.5×10^{-5}	
		(20 ~ 40) Hz	4.3×10^{-5}	
		(0.04 ~ 20) kHz	4.1×10^{-5}	
		(20 ~ 50) kHz	6.8×10^{-5}	
		(50 ~ 100) kHz	9.0×10^{-5}	
		(100 ~ 300) kHz	2.8×10^{-4}	
		(300 ~ 500) kHz	9.1×10^{-4}	
		(0.5 ~ 1) MHz	1.4×10^{-3}	
		(20 ~ 50) V		
		10 Hz	3.2×10^{-4}	
		(10 ~ 20) Hz	1.4×10^{-4}	
		(20 ~ 40) Hz	9.8×10^{-5}	
		(0.04 ~ 20) kHz	7.4×10^{-5}	
		(20 ~ 50) kHz	1.1×10^{-5}	
		(50 ~ 100) kHz	2.1×10^{-4}	
		(50 ~ 100) V		
		10 Hz	2.5×10^{-4}	
		(10 ~ 20) Hz	1.0×10^{-4}	
		(20 ~ 40) Hz	6.5×10^{-5}	
		(0.04 ~ 20) kHz	5.6×10^{-5}	
		(20 ~ 50) kHz	8.5×10^{-5}	
		(50 ~ 100) kHz	1.6×10^{-4}	
		(100 ~ 200) V		
		10 Hz	2.3×10^{-4}	
		(10 ~ 20) Hz	9.3×10^{-5}	
		(20 ~ 40) Hz	5.6×10^{-5}	
		(0.04 ~ 20) kHz	5.1×10^{-5}	
		(20 ~ 50) kHz	7.9×10^{-5}	
		(50 ~ 100) kHz	1.4×10^{-4}	
		(200 ~ 500) V		
		50 Hz ~ 1 kHz	6.7×10^{-5}	
		(500 ~ 1 000) V		
		50 Hz ~ 1 kHz	6.3×10^{-5}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Analogue/digital multimeters	40419			Calibrator/
Resistance		0 Ω	0.001 0 mΩ	SICT-CP-40419
		0 Ω ~ 10 kΩ	1.2×10^{-6}	
		(10 ~ 100) kΩ	1.4×10^{-6}	
		(0.1 ~ 1) MΩ	7.2×10^{-6}	
		(1 ~ 10) MΩ	7.7×10^{-6}	
		(10 ~ 100) MΩ	1.2×10^{-5}	
		(0.1 ~ 1) GΩ	3.2×10^{-4}	
DC Current		(±)		
		0 nA	6.0 nA	
		(0 ~ 1) nA	6.9×10^{-3}	
		(1 ~ 100) nA	4.6×10^{-3}	
		(0.1 ~ 1) μA	6.0×10^{-3}	
		(1 ~ 2) μA	3.1×10^{-3}	
		(2 ~ 5) μA	1.2×10^{-3}	
		(5 ~ 10) μA	6.3×10^{-4}	
		(10 ~ 20) μA	3.5×10^{-4}	
		(20 ~ 50) μA	1.6×10^{-4}	
		(50 ~ 100) μA	9.4×10^{-5}	
		(100 ~ 200) μA	6.3×10^{-5}	
		(0.2 ~ 0.5) mA	4.8×10^{-5}	
		(0.5 ~ 1) mA	3.5×10^{-5}	
		(1 ~ 1.5) mA	3.1×10^{-5}	
		(1.5 ~ 2) mA	3.0×10^{-5}	
		(2 ~ 5) mA	4.4×10^{-5}	
		(5 ~ 10) mA	3.2×10^{-5}	
		(10 ~ 15) mA	2.9×10^{-5}	
		(15 ~ 20) mA	2.8×10^{-5}	
		(20 ~ 50) mA	5.6×10^{-5}	
		(50 ~ 100) mA	4.4×10^{-5}	
		(100 ~ 150) mA	4.1×10^{-5}	
		(150 ~ 200) mA	3.9×10^{-5}	
		(0.2 ~ 0.5) A	9.4×10^{-5}	
		(0.5 ~ 1) A	6.9×10^{-5}	
		(1 ~ 1.5) A	6.1×10^{-5}	
		(1.5 ~ 2) A	5.8×10^{-5}	
		(2 ~ 3) A	3.3×10^{-4}	
		(3 ~ 5) A	2.4×10^{-4}	
		(5 ~ 10) A	1.6×10^{-4}	
		(10 ~ 20) A	1.2×10^{-4}	
		(20 ~ 30) A	2.4×10^{-4}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Analogue/digital multimeters	40419			Calibrator/
AC Current		(20 μA)		SICT-CP-40419
		1 kHz	11 nA	
		10 kHz	81 nA	
		(20 ~ 50) μA		
		10 Hz	1.4×10^{-4}	
		(10 ~ 20) Hz	9.0×10^{-5}	
		20 Hz ~ 1 kHz	7.3×10^{-5}	
		(1 ~ 5) kHz	1.5×10^{-4}	
		(5 ~ 10) kHz	5.5×10^{-4}	
		(50 ~ 100) μA		
		10 Hz	1.9×10^{-4}	
		(10 ~ 20) Hz	1.2×10^{-4}	
		20 Hz ~ 1 kHz	9.5×10^{-5}	
		(1 ~ 5) kHz	2.0×10^{-4}	
		(5 ~ 10) kHz	7.5×10^{-4}	
		(0.1 ~ 0.2) mA		
		10 Hz	3.0×10^{-4}	
		(10 ~ 20) Hz	1.9×10^{-4}	
		20 Hz ~ 1 kHz	1.4×10^{-5}	
		(1 ~ 5) kHz	3.1×10^{-4}	
		(5 ~ 10) kHz	1.2×10^{-3}	
		(0.2 ~ 0.5) mA		
		10 Hz	9.0×10^{-5}	
		(10 ~ 20) Hz	7.0×10^{-5}	
		20 Hz ~ 1 kHz	6.0×10^{-5}	
		(1 ~ 5) kHz	1.2×10^{-4}	
		(5 ~ 10) kHz	5.7×10^{-4}	
		(0.5 ~ 1) mA		
		10 Hz	1.4×10^{-4}	
		(10 ~ 20) Hz	1.0×10^{-4}	
		20 Hz ~ 1 kHz	8.0×10^{-5}	
		(1 ~ 5) kHz	1.6×10^{-4}	
		(5 ~ 10) kHz	7.6×10^{-4}	
		(1 ~ 2) mA		
		10 Hz	2.4×10^{-4}	
		(10 ~ 20) Hz	1.6×10^{-4}	
		20 Hz ~ 1 kHz	1.2×10^{-4}	
		(1 ~ 5) kHz	2.4×10^{-4}	
		(5 ~ 10) kHz	1.2×10^{-3}	
		(2 ~ 5) mA		
		10 Hz	9.0×10^{-5}	
		(10 ~ 20) Hz	7.0×10^{-5}	
		20 Hz ~ 1 kHz	5.2×10^{-5}	
		(1 ~ 5) kHz	1.1×10^{-4}	
		(5 ~ 10) kHz	5.4×10^{-4}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Analogue/digital multimeters	40419			Calibrator/
AC Current		(5 ~ 10) mA		SICT-CP-40419
		10 Hz	1.4×10^{-4}	
		(10 ~ 20) Hz	1.0×10^{-4}	
		20 Hz ~ 1 kHz	7.3×10^{-5}	
		(1 ~ 5) kHz	1.4×10^{-4}	
		(5 ~ 10) kHz	7.2×10^{-4}	
		(10 ~ 20) mA		
		10 Hz	2.4×10^{-4}	
		(10 ~ 20) Hz	1.6×10^{-4}	
		20 Hz ~ 1 kHz	1.2×10^{-4}	
		(1 ~ 5) kHz	2.2×10^{-4}	
		(5 ~ 10) kHz	1.1×10^{-3}	
		(20 ~ 50) mA		
		10 Hz	1.0×10^{-4}	
		(10 ~ 20) Hz	8.0×10^{-5}	
		20 Hz ~ 1 kHz	4.8×10^{-5}	
		(1 ~ 5) kHz	1.1×10^{-4}	
		(5 ~ 10) kHz	4.0×10^{-4}	
		(50 ~ 100) mA		
		10 Hz	1.4×10^{-4}	
		(10 ~ 20) Hz	1.0×10^{-4}	
		20 Hz ~ 1 kHz	6.8×10^{-5}	
		(1 ~ 5) kHz	1.4×10^{-4}	
		(5 ~ 10) kHz	6.0×10^{-4}	
		(0.1 ~ 0.2) A		
		10 Hz	2.4×10^{-4}	
		(10 ~ 20) Hz	1.6×10^{-4}	
		20 Hz ~ 1 kHz	1.1×10^{-4}	
		(1 ~ 5) kHz	2.1×10^{-4}	
		(5 ~ 10) kHz	1.0×10^{-3}	
		(0.2 ~ 1) A		
		40 Hz	1.4×10^{-4}	
		40 Hz ~ 1 kHz	1.4×10^{-4}	
		(1 ~ 5) kHz	2.6×10^{-4}	
		(5 ~ 10) kHz	2.7×10^{-3}	
		(1 ~ 2) A		
		40 Hz ~ 1 kHz	2.4×10^{-4}	
		(1 ~ 5) kHz	4.2×10^{-4}	
		(5 ~ 10) kHz	5.2×10^{-3}	
		(2 ~ 3) A		
		(40 ~ 100) Hz	1.8×10^{-4}	
		100 Hz ~ 1 kHz	1.9×10^{-4}	
		(1 ~ 10) kHz	9.9×10^{-4}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Analogue/digital multimeters	40419			Calibrator/
AC Current		(3 ~ 5) A		SICT-CP-40419
		(40 ~ 100) Hz	2.4×10^{-4}	
		100 Hz ~ 1 kHz	2.5×10^{-4}	
		(1 ~ 10) kHz	1.6×10^{-3}	
		(5 ~ 10) A		
		(40 ~ 100) Hz	4.2×10^{-4}	
		100 Hz ~ 1 kHz	4.2×10^{-4}	
		(1 ~ 10) kHz	3.1×10^{-3}	
		(10 ~ 20) A		
		(40 ~ 60) Hz	6.0×10^{-4}	
		(60 ~ 100) Hz	7.0×10^{-4}	
		100 Hz ~ 1 kHz	1.3×10^{-3}	
		(1 ~ 10) kHz	2.3×10^{-3}	
		(20 ~ 30) A		
		(40 ~ 60) Hz	8.0×10^{-4}	
		(60 ~ 100) Hz	1.2×10^{-3}	
		100 Hz ~ 1 kHz	3.9×10^{-3}	
		(1 ~ 10) kHz	4.5×10^{-3}	
Frequency		10 Hz ~ 10 MHz	6.4×10^{-7}	
(Digital Smapling)				
AC Voltage		(1 mV)		
		0.1 Hz ~ 3 kHz	8.4×10^{-4}	
		(1 mV ~ 2 mV)		
		0.1 Hz ~ 3 kHz	4.2×10^{-4}	
		(2 mV ~ 3 mV)		
		0.1 Hz ~ 3 kHz	2.8×10^{-4}	
		(3 mV ~ 5 mV)		
		0.1 Hz ~ 3 kHz	1.7×10^{-4}	
		(5 mV ~ 10 mV)		
		0.1 Hz ~ 3 kHz	8.8×10^{-5}	
		(10 mV ~ 20 mV)		
		0.1 Hz ~ 3 kHz	4.8×10^{-5}	
		(20 mV ~ 30 mV)		
		0.1 Hz ~ 3 kHz	3.6×10^{-5}	
		(30 mV ~ 50 mV)		
		0.1 Hz ~ 3 kHz	3.0×10^{-5}	
		(50 mV ~ 100 mV)		
		0.1 Hz ~ 3 kHz	2.6×10^{-5}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Analogue/digital multimeters	40419			Calibrator/
(Digital Smapling)				SICT-CP-40419
AC Voltage		(100 mV ~ 200 mV)		
		0.1 Hz ~ 3 kHz	4.8×10^{-5}	
		(200 mV ~ 300 mV)		
		0.1 Hz ~ 3 kHz	3.6×10^{-5}	
		(300 mV ~ 500 mV)		
		0.1 Hz ~ 3 kHz	2.8×10^{-5}	
		(500 mV ~ 1 V)		
		0.1 Hz ~ 3 kHz	2.4×10^{-5}	
		(1 V ~ 2 V)		
		0.1 Hz ~ 3 kHz	4.8×10^{-5}	
		(2 V ~ 3 V)		
		0.1 Hz ~ 3 kHz	3.6×10^{-5}	
		(3 V ~ 5 V)		
		0.1 Hz ~ 3 kHz	3.0×10^{-5}	
		(5 V ~ 10 V)		
		0.1 Hz ~ 3 kHz	2.6×10^{-5}	
		(10 V ~ 30 V)		
		10 Hz ~ 3 kHz	3.6×10^{-5}	
		(30 V ~ 50 V)		
		10 Hz ~ 3 kHz	2.8×10^{-5}	
		(50 V ~ 100 V)		
		10 Hz ~ 3 kHz	2.4×10^{-5}	
		(100 V ~ 200 V)		
		10 Hz ~ 3 kHz	4.8×10^{-5}	
		(200 V ~ 1 000 V)		
		50 Hz ~ 1 kHz	2.4×10^{-5}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Noise meters	40420			Calibrator/
AC Voltage Test		(600 μV)		SICT-CP-40420
		1 kHz	7.8×10^{-3}	
		(600 μV ~ 20 mV)		
		(10 ~ 40) Hz	2.6×10^{-3}	
		40 Hz ~ 20 kHz	2.5×10^{-3}	
		(20 ~ 100) kHz	3.5×10^{-3}	
		(100 ~ 300) kHz	7.0×10^{-3}	
		300 kHz ~ 1 MHz	1.5×10^{-2}	
		(20 ~ 200) mV		
		(10 ~ 40) Hz	5.2×10^{-4}	
		40 Hz ~ 20 kHz	3.4×10^{-4}	
		(20 ~ 100) kHz	8.8×10^{-4}	
		100 kHz ~ 1 MHz	4.3×10^{-3}	
		(200 mV ~ 2 V)		
		(10 ~ 40) Hz	3.5×10^{-4}	
		40 Hz ~ 20 kHz	1.5×10^{-4}	
		(20 ~ 100) kHz	4.6×10^{-4}	
		(100 ~ 300) kHz	8.8×10^{-4}	
		300 kHz ~ 1 MHz	3.4×10^{-3}	
		(2 ~ 20) V		
		(10 ~ 40) Hz	3.0×10^{-4}	
		40 Hz ~ 100 kHz	1.2×10^{-4}	
		(100 ~ 300) kHz	4.4×10^{-4}	
		300 kHz ~ 1 MHz	2.2×10^{-3}	
		(20 ~ 200) V		
		(10 ~ 40) Hz	3.0×10^{-4}	
		40 Hz ~ 20 kHz	1.2×10^{-4}	
		(20 ~ 100) kHz	1.8×10^{-4}	
		(200 ~ 500) V		
		50 Hz ~ 1 kHz	3.8×10^{-4}	
		(500 ~ 1 000) V		
		50 Hz ~ 1 kHz	3.7×10^{-4}	
		(25 ~ 500) mV		
		(1 ~ 30) MHz	2.1×10^{-2}	
		(500 mV ~ 2 V)		
		(0.1 ~ 30) MHz	2.1×10^{-2}	
Weighting Test		(DIN/NOISE) 31.5 Hz ~ 10 kHz	0.12 dB	
		(JIS A) 31.5 Hz ~ 16 kHz	0.12 dB	
		(CCIR) 31.5 Hz ~ 31.5 kHz	0.12 dB	
		(CCIR/ARM) 31.5 Hz ~ 31.5 kHz	0.12 dB	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Noise meters	40420			Calibrator/
AC Voltage Output		(10 mV)		SICT-CP-40420
		1 kHz	2.8×10^{-3}	
		(10 mV ~ 1 V)		
		20 Hz ~ 1 kHz	8.5×10^{-5}	
		(1 ~ 10) kHz	1.3×10^{-4}	
		(10 ~ 100) kHz	6.9×10^{-4}	
DC Voltage Output		0 mV	0.99 μV	
		100 mV ~ 1 V	1.1×10^{-5}	
Oscilloscopes	40421			Calibration Generator/
Impedance Measure		50 Ω	3.5×10^{-5}	SICT-CP-40421
		75 Ω	2.7×10^{-5}	
		1 MΩ	2.5×10^{-5}	
DC Voltage		(±)		
		0 mV	0.79 μV	
		(0 ~ 1) mV	8.0×10^{-4}	
		(1 ~ 5) mV	4.1×10^{-4}	
		(5 ~ 10) mV	1.7×10^{-4}	
		(10 ~ 100) mV	8.5×10^{-5}	
		(100 ~ 900) mV	1.5×10^{-5}	
		(0.9 ~ 9) V	9.1×10^{-6}	
		(9 ~ 200) V	9.5×10^{-6}	
AC Voltage(Square wave)		(1 kHz)		
		1 mV	6.5×10^{-3}	
		(1 ~ 25) mV	8.8×10^{-4}	
		(0.025 ~ 0.5) V	9.1×10^{-4}	
		(0.5 ~ 2.2) V	6.8×10^{-4}	
		(2.2 ~ 130) V	8.4×10^{-4}	
Time Marker		100 ps	6.2×10^{-7}	
		(100 ~ 200) ps	3.1×10^{-7}	
		200 ps ~ 20 ms	1.7×10^{-6}	
		20 ms ~ 5 s	1.6×10^{-5}	
CAL Output Amplitude		(40 Hz ~ 20 kHz)		
		100 mV	3.2×10^{-5}	
		100 mV ~ 12 V	1.9×10^{-5}	
CAL Output Frequency		100 Hz ~ 10 MHz	6.2×10^{-7}	
Sinewave Signal Generator Level		50 kHz	2.3×10^{-2}	
		50 kHz ~ 1 MHz	4.7×10^{-2}	
		1 MHz ~ 1 GHz	1.5×10^{-2}	
		(1 ~ 4) GHz	1.8×10^{-2}	
		(4 ~ 18) GHz	3.2×10^{-2}	
		(18 ~ 25) GHz	5.5×10^{-2}	
		(25 ~ 33) GHz	5.8×10^{-2}	
		(33 ~ 40) GHz	6.0×10^{-2}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Oscilloscopes	40421			Calibration Generator/
AC Voltage(Sine wave)		(10 ~ 40) Hz		SICT-CP-40421
		2 mV	5.3 μV	
		(2 ~ 20) mV	1.9×10^{-3}	
		(20 ~ 200) mV	6.8×10^{-4}	
		(0.2 ~ 20) V	4.3×10^{-4}	
		(20 ~ 100) V	4.5×10^{-4}	
		(40 Hz ~ 1 kHz)		
		2 mV	5.0 μV	
		(2 ~ 20) mV	1.7×10^{-3}	
		(20 ~ 800) mV	3.3×10^{-4}	
		(0.8 ~ 20) V	1.7×10^{-4}	
		(20 ~ 200) V	1.8×10^{-4}	
		(1 ~ 50) kHz		
		2 mV	5.2 μV	
		(2 ~ 20) mV	1.9×10^{-3}	
		(20 ~ 200) mV	4.8×10^{-4}	
		(0.2 ~ 20) V	1.3×10^{-4}	
		(20 ~ 100) V	1.7×10^{-4}	
		(50 ~ 100) kHz		
		2 mV	7.1 μV	
		(2 ~ 20) mV	2.7×10^{-3}	
		(20 ~ 200) mV	9.0×10^{-4}	
		(0.2 ~ 20) V	1.9×10^{-4}	
		(20 ~ 100) V	3.0×10^{-4}	
LF phase meters	40422			Multi Function Generator/
Phase Test		(1 Hz ~ 200 kHz)		SICT-CP-40422
		(-180 ~ 180) °	0.074 °	
Volt/Current recorders	40424			Calibrator/
DC Voltage		(±)		SICT-CP-40424
		(0 ~ 100) μV	0.51 μV	
		(0.1 ~ 1) mV	5.2×10^{-4}	
		(1 ~ 10) mV	5.9×10^{-5}	
		(0.01 ~ 1) V	6.7×10^{-6}	
		(1 ~ 10) V	4.3×10^{-6}	
		(10 ~ 100) V	6.3×10^{-6}	
		(100 ~ 1 000) V	8.7×10^{-6}	
DC Current		(±)		
		(0 ~ 1) nA	6.9 pA	
		(1 ~ 100) nA	4.6×10^{-3}	
		(0.1 ~ 1) μA	2.3×10^{-3}	
		(1 ~ 10) μA	7.2×10^{-4}	
		(10 ~ 100) μA	1.4×10^{-4}	
		(0.1 ~ 10) mA	7.6×10^{-5}	
		(10 ~ 100) mA	8.4×10^{-5}	
		(0.1 ~ 1) A	1.2×10^{-4}	
		(1 ~ 100) A	2.1×10^{-4}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Relay test sets	40425			Digital Multimeter/
DC Voltage		1 mV	6 μV	SICT-CP-40425
		1 mV ~ 1 V	7.0×10^{-4}	
		(1 ~ 100) V	7.0×10^{-5}	
		(100 ~ 1 000) V	2.2×10^{-5}	
DC Current		1 mA	58 μA	
		1 mA ~ 1 A	6.0×10^{-4}	
		(1 ~ 20) A	2.5×10^{-4}	
		(20 ~ 100) A	4.0×10^{-4}	
AC Voltage		(1 mV)		
		20 Hz ~ 100 kHz	58 μV	
		(1 ~ 100) mV		
		20 Hz ~ 10 kHz	6.1×10^{-4}	
		(10 ~ 100) kHz	1.2×10^{-3}	
		(100 mV ~ 1 V)		
		20 Hz ~ 10 kHz	7.6×10^{-4}	
		(10 ~ 100) kHz	1.3×10^{-3}	
		100 kHz ~ 1 MHz	2.0×10^{-2}	
		(1 ~ 10) V		
		20 Hz ~ 10 kHz	2.2×10^{-4}	
		(10 ~ 100) kHz	1.1×10^{-3}	
		100 kHz ~ 1 MHz	2.1×10^{-2}	
		(10 ~ 100) V		
		20 Hz ~ 10 kHz	1.8×10^{-4}	
		(10 ~ 100) kHz	1.1×10^{-3}	
		(100 ~ 1 000) V		
		50 Hz ~ 10 kHz	1.9×10^{-4}	
		(10 ~ 30) kHz	4.5×10^{-4}	
AC Current		(1 mA)		
		40 Hz ~ 10 kHz	58 μA	
		(1 ~ 100) mA		
		40 Hz ~ 10 kHz	8.6×10^{-4}	
		(100 mA ~ 1 A)		
		40 Hz ~ 10 kHz	9.1×10^{-4}	
		(1 ~ 10) A		
		40 Hz ~ 10 kHz	9.9×10^{-4}	
		(10 ~ 100) A		
		40 Hz ~ 10 kHz	2.3×10^{-4}	
Timer		(1 ~ 100) s	5.8×10^{-6}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
LF signal generators	40426			Audio Analyzer, Digital
Frequency Test		(0.1 ~ 1) Hz	5.8×10^{-7}	Multimeter/
		1 Hz ~ 100 MHz	5.8×10^{-9}	SICT-CP-40426
Output Level Test		(10 ~ 100) Hz		
		1 mV	1.0×10^{-3}	
		(1 ~ 10) mV	1.0×10^{-4}	
		10 mV ~ 100 V	7.0×10^{-5}	
		(100 Hz ~ 10 kHz)		
		1 mV	1.0×10^{-3}	
		(1 ~ 10) mV	1.0×10^{-4}	
		10 mV ~ 100 V	3.0×10^{-5}	
		(10 ~ 100) kHz		
		1 mV	1.0×10^{-3}	
		(1 ~ 10) mV	1.0×10^{-4}	
		10 mV ~ 100 V	8.0×10^{-5}	
DC Offset		(±)		
		0 mV	0.7 μV	
		(0 ~ 1) mV	0.7 μV	
		(1 ~ 10) mV	1.0×10^{-4}	
		10 mV ~ 20 V	6.0×10^{-5}	
Output Level Flatness Test		(100 mV)		
		(10 ~ 100) Hz	0.099 dB	
		100 Hz ~ 10 kHz	0.083 dB	
		(10 ~ 100) kHz	0.095 dB	
		(100 mV ~ 1 V)		
		(10 ~ 100) Hz	0.005 4 dB	
		100 Hz ~ 10 kHz	0.001 1 dB	
		(10 ~ 100) kHz	0.007 2 dB	
		(1 ~ 30) V		
		(10 ~ 100) Hz	0.021 dB	
		100 Hz ~ 10 kHz	0.015 dB	
		(10 ~ 100) kHz	0.027 dB	
Attenuator Test		(10 Hz ~ 100 kHz)		
		(0 ~ 80) dB	0.006 1 dB	
Distortion		(20 Hz ~ 1 kHz)		
		(3.16 ~ 0.010) %	1.5×10^{-1}	
		(1 ~ 100) kHz		
		(3.16 ~ 0.010) %	3.2×10^{-1}	
Rise/Fall Time		100 μs ~ 100 ns	7.0×10^{-4}	
		(100 ~ 10) ns	7.8×10^{-4}	
		(10 ~ 1) ns	4.7×10^{-3}	
		1 ns ~ 100 ps	4.6×10^{-2}	
Duty cycle		(1 ~ 99) %	0.006 1 %	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
LF spectrum analyzers	40427			Synthesizer Function
Reference Frequency		10 MHz	7.7×10^{-12}	Generator/ SICT-CP-40427
Center Frequency		10 Hz	6.1×10^{-5}	
		(10 ~ 100) Hz	6.1×10^{-6}	
		100 Hz ~ 1 kHz	6.1×10^{-7}	
		1 kHz ~ 1 MHz	6.1×10^{-8}	
		(1 ~ 100) MHz	6.1×10^{-9}	
		100 MHz ~ 1 GHz	6.1×10^{-8}	
Frequency Range		10 Hz	1.1×10^{-3}	
		(10 ~ 100) Hz	1.1×10^{-4}	
		100 Hz ~ 1 kHz	1.1×10^{-5}	
		(1 ~ 100) kHz	1.1×10^{-4}	
		100 kHz ~ 1 MHz	1.1×10^{-6}	
		(1 ~ 100) MHz	1.1×10^{-7}	
		100 MHz ~ 1 GHz	1.1×10^{-9}	
Resolution Bandwidth		100 Hz	3.3×10^{-2}	
		100 Hz ~ 3 kHz	3.1×10^{-2}	
		(3 ~ 300) kHz	3.3×10^{-2}	
		300 kHz ~ 1 MHz	3.4×10^{-2}	
Absolute Amplitude		(-60 dBV)		
		10 Hz	0.043 dB	
		10 Hz ~ 10 kHz	0.042 dB	
		(10 ~ 100) kHz	0.056 dB	
		(-60 ~ -50) dBV		
		10 Hz	0.017 dB	
		10 Hz ~ 10 kHz	0.015 dB	
		(10 ~ 100) kHz	0.022 dB	
		(-50 ~ -40) dBV		
		10 Hz	0.009 dB	
		10 Hz ~ 10 kHz	0.009 8 dB	
		(10 ~ 100) kHz	0.012 dB	
		(-40 ~ -30) dBV		
		10 Hz	0.009 dB	
		10 Hz ~ 10 kHz	0.006 8 dB	
		(10 ~ 100) kHz	0.011 dB	
		(-30 ~ 30) dBV		
		10 Hz	0.016 dB	
		10 Hz ~ 10 kHz	0.006 3 dB	
		(10 ~ 100) kHz	0.007 3 dB	
Referency Level		(-60 dBV)		
		10 Hz ~ 100 kHz	0.17 dB	
		(-60 ~ 30) dBV		
		10 Hz ~ 100 kHz	0.16 dB	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
LF spectrum analyzers	40427			Synthesizer Function
Frequency Response		10 Hz	0.009 1 dB	Generator/
		10 Hz ~ 100 kHz	0.008 7 dB	SICT-CP-40427
Logscale Fidelity		(0 ~ -60) dB	0.009 2 dB	
		(-60 ~ -70) dB	0.012 dB	
		(-70 ~ -80) dB	0.016 dB	
		(-80 ~ -90) dB	0.042 dB	
Output frequency		10 Hz ~ 300 MHz	6.1×10^{-11}	
Input Impedance		1 MΩ	0.000 12 MΩ	
		(50 ~ 75) Ω	0.000 7 Ω	
Output Voltage		10 mV	0.000 38 mV	
		10 mV ~ 5 V	8.8×10^{-5}	
Output Offset Voltage		(-30 ~ 30) V	6.7×10^{-6}	
Output Voltage Flatness		10 Hz ~ 100 kHz	0.000 67 dB	
Spot generators	40428			Audio Analyzer, Digital
Frequency		(0.1 ~ 1) Hz	5.8×10^{-7}	Multimeter/
		1 Hz ~ 100 kHz	5.8×10^{-9}	SICT-CP-40428
Output Level		(10 ~ 100) Hz		
		1 mV	1.0×10^{-3}	
		(1 ~ 10) mV	1.0×10^{-4}	
		10 mV ~ 10 V	7.0×10^{-5}	
		(100 Hz ~ 10 kHz)		
		1 mV	1.0×10^{-3}	
		(1 ~ 10) mV	1.0×10^{-4}	
		10 mV ~ 10 V	3.0×10^{-5}	
		(10 ~ 100) kHz		
		1 mV	1.0×10^{-3}	
		(1 ~ 10) mV	1.0×10^{-4}	
		10 mV ~ 10 V	7.0×10^{-5}	
Output Level Flatness		(100 mV)		
		(10 ~ 100) Hz	0.099 dB	
		100 Hz ~ 10 kHz	0.083 dB	
		(10 ~ 100) kHz	0.095 dB	
		(100 mV ~ 1 V)		
		(10 ~ 100) Hz	0.005 4 dB	
		100 Hz ~ 10 kHz	0.001 1 dB	
		(10 ~ 100) kHz	0.007 2 dB	
		(1 ~ 10) V		
		(10 ~ 100) Hz	0.010 dB	
		100 Hz ~ 100 kHz	0.011 dB	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Spot generators	40428			Audio Analyzer, Digital
Attenuation		(10 Hz ~ 100 kHz)		Multimeter/
		(0 ~ 80) dB	0.006 1 dB	SICT-CP-40428
Distortion		(20 Hz ~ 1 kHz)		
		(3.16 ~ 0.010) %	1.5×10^{-1}	
		(1 ~ 100) kHz		
		(3.16 ~ 0.010) %	3.2×10^{-1}	
Sweep generators	40429			Audio Analyzer, Digital
Frequency		(0.1 ~ 1) Hz	5.8×10^{-7}	Multimeter/
		1 Hz ~ 100 kHz	5.8×10^{-9}	SICT-CP-40429
Output Level Test		(10 ~ 100) Hz		
		1 mV	1.0×10^{-3}	
		(1 ~ 10) mV	1.0×10^{-4}	
		100 mV ~ 10 V	7.0×10^{-5}	
		(100 Hz ~ 10 kHz)		
		1 mV	1.0×10^{-3}	
		(1 ~ 100) mV	1.0×10^{-4}	
		100 mV ~ 10 V	3.0×10^{-5}	
		(10 ~ 100) kHz		
		1 mV	1.0×10^{-3}	
		(1 ~ 100) mV	1.0×10^{-4}	
		100 mV ~ 10 V	7.0×10^{-5}	
Output Level Flatness		(100 mV)		
		(10 ~ 100) Hz	0.099 dB	
		100 Hz ~ 10 kHz	0.083 dB	
		(10 ~ 100) kHz	0.095 dB	
		(100 mV ~ 1 V)		
		(10 ~ 100) Hz	0.005 4 dB	
		100 Hz ~ 10 kHz	0.001 1 dB	
		(10 ~ 100) kHz	0.007 2 dB	
		(1 ~ 10) V		
		(10 ~ 100) Hz	0.010 dB	
		100 Hz ~ 100 kHz	0.011 dB	
Attenuation		(10 Hz ~ 10 kHz)		
		(0 ~ 80) dB	0.006 1 dB	
Distortion		(20 Hz ~ 1 kHz)		
		(3.16 ~ 0.010) %	1.5×10^{-1}	
		(1 ~ 100) kHz		
		(3.16 ~ 0.010) %	3.2×10^{-1}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Signal transducers	40430			Digital Multimeter/
Voltage		1 mV	5.2×10^{-4}	SICT-CP-40430
		(1 ~ 10) mV	8.8×10^{-5}	
		10 mV ~ 100 V	3.1×10^{-5}	
		(100 ~ 300) V	4.3×10^{-3}	
Current		10 μA	9.5×10^{-4}	
		(10 ~ 100) μA	9.7×10^{-5}	
		100 μA ~ 100 mA	7.0×10^{-5}	
		100 mA ~ 20 A	2.0×10^{-4}	
Frequency		(1 ~ 10) Hz	3.1×10^{-4}	
		10 Hz ~ 100 kHz	7.2×10^{-5}	
Transistor curve tracers	40432			Digital Multimeter/
DC Voltage(Source)		0 mV	1.0 μV	SICT-CP-40432
		(0 ~ 100) mV	1.1×10^{-5}	
		100 mV ~ 1 V	1.0×10^{-5}	
		(1 ~ 10) V	9.8×10^{-6}	
		(10 ~ 100) V	1.1×10^{-5}	
		(100 ~ 1 000) V	8.0×10^{-6}	
DC Current(Source)		0 nA	0.12 nA	
		(0 ~ 1) nA	1.0×10^{-2}	
		(1 ~ 100) nA	8.0×10^{-3}	
		(0.1 ~ 1) μA	8.0×10^{-4}	
		(1 ~ 10) μA	9.0×10^{-5}	
		10 μA ~ 10 mA	1.6×10^{-5}	
		(10 ~ 100) mA	5.0×10^{-5}	
		100 mA ~ 10 A	2.5×10^{-4}	
DC Voltage(Measure)		0 mV	0.78 μV	
		(0 ~ 100) mV	1.5×10^{-5}	
		100 mV ~ 1 V	6.0×10^{-4}	
		(1 ~ 100) V	6.4×10^{-4}	
		(100 ~ 1 000) V	6.2×10^{-5}	
AC/DC high voltage generators	40434			High Voltage Digital Meter/
DC Voltage		(±)		SICT-CP-40434
		0 kV	0.58 V	
		(0 ~ 0.5) kV	1.2×10^{-3}	
		(0.5 ~ 1) kV	6.1×10^{-4}	
		(1 ~ 2) kV	3.0×10^{-4}	
		(2 ~ 100) kV	2.3×10^{-4}	
		(100 ~ 200) kV	1.2×10^{-2}	
AC Voltage		(50 Hz)		
		0.01 kV	0.58 V	
		(0.01 ~ 0.5) kV	1.2×10^{-3}	
		(0.5 ~ 1) kV	6.1×10^{-4}	
		(1 ~ 100) kV	5.7×10^{-4}	
		(100 ~ 200) kV	1.2×10^{-2}	
		(60 Hz)		
		0.01 kV	0.58 V	
		(0.01 ~ 0.5) kV	1.2×10^{-3}	
		(0.5 ~ 1) kV	6.2×10^{-4}	
		(1 ~ 100) kV	5.2×10^{-4}	
		(100 ~ 200) kV	1.2×10^{-2}	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
AC/DC high voltage probes	40435			DC Power Supply/
DC Voltage		(±)		SICT-CP-40435
		0 kV	0.06 V	
		(0 ~ 0.5) kV	4.2×10^{-4}	
		(0.5 ~ 1) kV	2.1×10^{-4}	
		(1 ~ 100) kV	3.5×10^{-4}	
AC Voltage		(50 Hz)		
		0.01 kV	2.2 V	
		(0.01 ~ 0.5) kV	4.4×10^{-3}	
		(0.5 ~ 1) kV	2.3×10^{-3}	
		(1 ~ 3) kV	1.2×10^{-3}	
		(3 ~ 5) kV	7.5×10^{-4}	
		(5 ~ 10) kV	6.0×10^{-4}	
		(10 ~ 20) kV	4.0×10^{-4}	
		(20 ~ 100) kV	3.7×10^{-4}	
		(60 Hz)		
		0.01 kV	2.2 V	
		(0.01 ~ 0.5) kV	4.4×10^{-3}	
		(0.5 ~ 1) kV	2.3×10^{-3}	
		(1 ~ 3) kV	1.2×10^{-3}	
		(3 ~ 5) kV	7.5×10^{-4}	
		(5 ~ 10) kV	6.0×10^{-4}	
		(10 ~ 20) kV	4.0×10^{-4}	
		(20 ~ 100) kV	3.7×10^{-4}	
Logic analyzers	40436			Calibrator/
DC Voltage		(0 ~ 100) mV	1.5 μV	SICT-CP-40436
		(0.1 ~ 1) V	8.8×10^{-6}	
		(1 ~ 10) V	7.2×10^{-6}	
Clock frequency		10 MHz	7.7×10^{-12}	
Telephone testers	40437			Tone Pulse Simulator/
L1, L2 Output Voltage		(1 ~ 100) mV	9.9×10^{-4}	SICT-CP-40437
		(0.1 ~ 1) V	1.1×10^{-5}	
		(1 ~ 10) V	7.1×10^{-6}	
		(10 ~ 1 000) V	8.5×10^{-6}	
Loop Current		(0.1 ~ 10) mA	2.5×10^{-5}	
		(10 ~ 100) mA	5.2×10^{-5}	
		(0.1 ~ 1) A	2.2×10^{-4}	
		(1 ~ 10) A	4.7×10^{-4}	
Ring Output Voltage		(10 Hz ~ 20 kHz)		
		100 mV ~ 1 V	4.7×10^{-4}	
		(1 ~ 100) V	2.9×10^{-4}	
		(100 ~ 1 000) V	3.1×10^{-4}	
Ring Frequency		(1 ~ 1 000) Hz	7.0×10^{-5}	
D.T.M.F & Pulse		(+10 ~ -39.9) dBm	0.09 dB	
D.T.M.F & Frequency		(697 ~ 1 477) Hz	0.59 Hz	

404. Other DC & LF measurements

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Video signal analyzers	40438			Video Amplitude Calibration
Color Bar Decoding Accuracy(Gain)		(0 ~ 5) mV	2.5×10^{-1}	Fixture/
		(5 ~ 10) mV	5.0×10^{-2}	SICT-CP-40438
		(10 ~ 100) mV	8.2×10^{-2}	
		(100 ~ 200) mV	4.1×10^{-2}	
		(200 ~ 500) mV	2.1×10^{-2}	
		(500 ~ 1 000) mV	8.5×10^{-3}	
Frequency		20 Hz ~ 5 MHz	5.8×10^{-6}	
Color Bar Decoding Accuracy(Phase)		(0 ~ 360)°	0.70°	
Measure Square Wave		(0 ~ 5) mV	9.4×10^{-2}	
		(5 ~ 10) mV	2.0×10^{-2}	
		(10 ~ 100) mV	9.9×10^{-3}	
		(100 ~ 300) mV	2.1×10^{-3}	
		(300 ~ 400) mV	1.5×10^{-3}	
		(400 ~ 600) mV	1.2×10^{-3}	
		(600 ~ 999.9) mV	9.4×10^{-4}	
Measure Sine Wave		No Filter, PAL NTS BW Lim, NTSC,PAL Chroma BP, NTSC,PAL (10 kHz ~ 10 MHz)		
		500 mV	7.0×10^{-3}	
Burst Frequency		(3 ~ 5) MHz	4.0×10^{-7}	
vertical Gain		(0 ~ 5) mV	9.4×10^{-2}	
		(5 ~ 10) mV	2.0×10^{-2}	
		(10 ~ 100) mV	9.9×10^{-3}	
		(100 ~ 300) mV	2.1×10^{-3}	
		(300 ~ 600) mV	1.5×10^{-3}	
		(600 ~ 999.9) mV	9.4×10^{-4}	
Horizontal Frequency		(20 ~ 100) Hz	3.1×10^{-3}	
		100 Hz ~ 10 kHz	6.1×10^{-4}	
		10 kHz ~ 10 MHz	6.1×10^{-5}	
Gain Frequency Response		Flat, Luminance, Chroma at (20 Hz ~ 20 MHz)		
		700 mV	7.0×10^{-3}	
Transient Response		(0 ~ 1 000) mV	1.3×10^{-2}	
(Video Noise)				
Luminance Volt Level		(0 ~ -30) dB	4.8×10^{-1}	
Chrominance AM/PM Level		(0 ~ -30) dB	6.7×10^{-1}	
Luminance Volt Level		(0 ~ 1 000) mV	1.7×10^{-5}	
Luminance Inputt Level		(0 ~ 1 000) mV	1.8×10^{-5}	
Chrominance Input Level		(0 ~ 1 000) mV	1.7×10^{-5}	

405. Low frequency electric & magnetic fields

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Flux meters Flux	40503	0.1 mWb ~ 10 Wb	5.8×10^{-3}	Flux sources/ SICT-CP-40503
Flux sources Flux	40504	(0.1 ~ 50) mWb (0.05 ~ 0.1) Wb (0.1 ~ 10) Wb	6.6×10^{-4} 2.3×10^{-5} 1.4×10^{-5}	GPS receiver, Frequency counter/ SICT-CP-40504
Magnetometers Gauss	40508	(0 ~ 0.1) mT (0.1 ~ 0.5) mT (0.5 ~ 3) mT (3 ~ 5) mT (5 ~ 20) mT (20 ~ 30) mT (30 ~ 1 700) mT	7.1×10^{-2} 1.4×10^{-2} 7.0×10^{-3} 4.0×10^{-3} 3.0×10^{-3} 6.7×10^{-3} 6.4×10^{-3}	Helmholtz coil, Standard magnets/ SICT-CP-40508
Reference/standard magnets Gauss	40510	(1.5 ~ 30) mT (30 ~ 1 000) mT	7.3×10^{-3} 2.6×10^{-3}	Gaussmeters/ SICT-CP-40510

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
RF amplifiers	40601			Power Sensor, Attenuator/
Gain		10 Hz ~ 10 kHz		SICT-CP-40601
		(0 ~ 80) dB	0.07 dB	
		10 kHz ~ 10 GHz		
		(0 ~ 40) dB	0.08 dB	
		(40 ~ 80) dB	0.11 dB	
		(10 ~ 18) GHz		
		(0 ~ 40) dB	0.10 dB	
		(40 ~ 80) dB	0.13 dB	
		(18 ~ 30) GHz		
		(0 ~ 60) dB	0.20 dB	
		(60 ~ 70) dB	0.31 dB	
		(70 ~ 80) dB	0.75 dB	
		(30 ~ 40) GHz		
		(0 ~ 60) dB	0.26 dB	
		(60 ~ 70) dB	0.35 dB	
		(70 ~ 80) dB	0.76 dB	
		(40 ~ 50) GHz		
		(0 ~ 60) dB	0.41 dB	
		(60 ~ 70) dB	0.47 dB	
		(70 ~ 80) dB	0.82 dB	
		(50 ~ 67) GHz		
		(0 ~ 20) dB	0.36 dB	
		(20 ~ 45) dB	0.45 dB	
Harmonics		(9 kHz ~ 40 GHz)		
		(0 ~ 100) dBc	0.90 dB	
Reflection coefficient		(0 ~ 1)		
		10 Hz ~ 2 GHz	4.7×10^{-3}	
		(2 ~ 20) GHz	9.2×10^{-3}	
		(20 ~ 40) GHz	1.5×10^{-2}	
		(40 ~ 50) GHz	1.9×10^{-2}	
		(50 ~ 67) GHz	3.3×10^{-2}	
SWR		(1 ~ ∞)		
		10 Hz ~ 2 GHz	9.5×10^{-3}	
		(2 ~ 20) GHz	1.9×10^{-2}	
		(20 ~ 40) GHz	3.1×10^{-2}	
		(40 ~ 50) GHz	3.9×10^{-2}	
		(50 ~ 67) GHz	6.7×10^{-2}	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Coaxial attenuators	40602			Power Sensor, Directional
Attenuation		(10 Hz ~ 1 kHz)		Coupler/
		(0 ~ 40) dB	0.063 dB	SICT-CP-40602
		(40 ~ 50) dB	0.070 dB	
		(50 ~ 70) dB	0.12 dB	
		(1 kHz ~ 9 kHz)		
		(0 ~ 40) dB	0.063 dB	
		(40 ~ 50) dB	0.068 dB	
		(50 ~ 70) dB	0.11 dB	
		(9 kHz ~ 26.5 GHz)		
		(0 ~ 10) dB	0.064 dB	
		(10 ~ 30) dB	0.069 dB	
		(30 ~ 40) dB	0.073 dB	
		(40 ~ 50) dB	0.077 dB	
		(50 ~ 60) dB	0.081dB	
		(60 ~ 70) dB	0.086 dB	
		(70 ~ 80) dB	0.090 dB	
		(80 ~ 90) dB	0.095 dB	
		(90 ~ 110) dB	0.11 dB	
		(110 ~ 120) dB	0.12 dB	
		(26.5 ~ 45) GHz		
		(0 ~ 20) dB	0.21 dB	
		(20 ~ 70) dB	0.24 dB	
		(45 ~ 67) GHz		
		(0 ~ 10) dB	0.23 dB	
		(10 ~ 50) dB	0.25 dB	
		(50 ~ 60) dB	0.27 dB	
		(60 ~ 70) dB	0.32 dB	
Reflection coefficient		(0 ~ 1)		
		10 Hz ~ 2 GHz	0.004 7	
		(2 ~ 20) GHz	0.009 2	
		(20 ~ 40) GHz	0.015	
		(40 ~ 50) GHz	0.019	
		(50 ~ 67) GHz	0.033	
SWR		(1 ~ ∞)		
		10 Hz ~ 2 GHz	0.009 5	
		(2 ~ 20) GHz	0.019	
		(20 ~ 40) GHz	0.031	
		(40 ~ 50) GHz	0.039	
		(50 ~ 67) GHz	0.067	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Burst pulse generators	40605			Digital Oscilloscope/
Burst Volatage		50 Ω		SICT-CP-40605
		(±)		
		5 V	2.0×10^{-2}	
		(5 ~ 100) V	1.6×10^{-2}	
		(0.1 ~ 8) kV	2.0×10^{-2}	
		1 kΩ		
		(±)		
		5 V ~ 8 kV	4.0×10^{-2}	
Rise/Fall Time		1 ns	2.0×10^{-2}	
		(1 ~ 2) ns	6.8×10^{-3}	
		(2 ~ 4) ns	2.6×10^{-3}	
		4 ns ~ 1 μs	1.5×10^{-3}	
		(1 ~ 2) μs	6.2×10^{-3}	
		(2 ~ 4) μs	2.6×10^{-3}	
		(4 ~ 10) μs	1.3×10^{-3}	
Pulse Width		1 ns	6.0×10^{-3}	
		(1 ~ 2) ns	3.1×10^{-3}	
		2 ns ~ 200 ms	1.5×10^{-3}	
Time measurement by section		1 ns	6.0×10^{-3}	
		(1 ~ 2) ns	3.1×10^{-3}	
		2 ns ~ 400 ms	1.5×10^{-3}	
		400 ms ~ 10 s	1.2×10^{-3}	
Repeat Frequency		1 Hz ~ 25 MHz	1.6×10^{-3}	
Attenuator calibrators	40606			Verification Kit/
Attenuation		(0 ~ 10) dB	0.024 dB	SICT-CP-40606
		(10 ~ 20) dB	0.025 dB	
		(20 ~ 30) dB	0.027 dB	
		(30 ~ 40) dB	0.029 dB	
		(40 ~ 50) dB	0.031 dB	
		(50 ~ 60) dB	0.034 dB	
		(60 ~ 70) dB	0.036 dB	
		(70 ~ 80) dB	0.039 dB	
		(80 ~ 90) dB	0.042 dB	
		(90 ~ 100) dB	0.045 dB	
		(100 ~ 110) dB	0.048 dB	
		(110 ~ 120) dB	0.052 dB	
RF power meter calibrators	40607			Digital Multimeter/
Output Power		3 μW	0.1 nW	SICT-CP-40607
		10 μW	0.2 nW	
		30 μW	0.5 nW	
		100 μW	1 nW	
		300 μW	4 nW	
		1 ㎽	0.18 μW	
		3 ㎽	0.19 μW	
		10 ㎽	0.2 μW	
		30 ㎽	0.3 μW	
		100 ㎽	1 μW	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
EMC transducers ; current probes,	40608			Power Senso,
absorbing clamps, etc.				Network analyzer/
Transfer Impedance		10 Hz ~ 50 MHz	0.60 dB	SICT-CP-40608
		(50 ~ 200) MHz	1.1 dB	
		200 MHz ~ 3 GHz	1.9 dB	
Insertion Loss		30 MHz ~ 1 GHz	1.9 dB	
Electric Magnetic Near-Field		100 kHz ~ 1 GHz	1.9 dB	
Reflection coefficient		(0 ~ 1)		
		10 Hz ~ 1 GHz	4.2×10^{-3}	
		(1 ~ 3) GHz	6.0×10^{-3}	
SWR		(1 ~ ∞)		
		10 Hz ~ 1 GHz	9.0×10^{-3}	
		(1 ~ 3) GHz	1.3×10^{-2}	
Coaxial directional couplers/	40610			Power Sensor, Synthesized
splitters				Sweeper/
Coupling Factor		(10 Hz ~ 10 kHz)		SICT-CP-40610
		(0 ~ 40) dB	0.063 dB	
		(40 ~ 50) dB	0.070 dB	
		(50 ~ 70) dB	0.12 dB	
		(10 kHz ~ 100 kHz)		
		(0 ~ 30) dB	0.064 dB	
		(30 ~ 50) dB	0.087 dB	
		(50 ~ 70) dB	0.098 dB	
		(100 kHz ~ 15 GHz)		
		(0 ~ 40) dB	0.090 dB	
		(40 ~ 50) dB	0.093 dB	
		(50 ~ 70) dB	0.11 dB	
		(15 GHz ~ 18 GHz)		
		(0 ~ 70) dB	0.12 dB	
		(18 GHz ~ 26.5 GHz)		
		(0 ~ 70) dB	0.17 dB	
		(26.5 GHz ~ 45 GHz)		
		(0 ~ 20) dB	0.21 dB	
		(20 ~ 70) dB	0.24 dB	
		(45 GHz ~ 67 GHz)		
		(0 ~ 10) dB	0.23 dB	
		(10 ~ 50) dB	0.25 dB	
		(50 ~ 60) dB	0.27 dB	
		(60 ~ 70) dB	0.32 dB	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Coaxial directional couplers/	40610			Power Sensor, Synthesized
splitters				Sweeper/
Reflection coefficient		(0 ~ 1)		
		10 Hz ~ 2 GHz	0.004 7	
		(2 ~ 20) GHz	0.009 2	
		(20 ~ 40) GHz	0.015	
		(40 ~ 50) GHz	0.019	
		(50 ~ 67) GHz	0.033	
SWR		(1 ~ ∞)		
		10 Hz ~ 2 GHz	0.009 5	
		(2 ~ 20) GHz	0.019	
		(20 ~ 40) GHz	0.031	
		(40 ~ 50) GHz	0.039	
		(50 ~ 67) GHz	0.067	
Electrostatic discharge generators	40613			Digital Oscilloscope/
Peak Current(Ip)		(±)		SICT-CP-40613
		(3.75 ~ 7.5) A	5.1×10^{-2}	
		(7.5 ~ 15) A	5.3×10^{-2}	
		(15 ~ 22.5) A	4.6×10^{-2}	
		(22.5 ~ 56.3) A	5.2×10^{-2}	
		(56.3 ~ 93.8) A	4.9×10^{-2}	
		(93.8 ~ 112.5) A	5.7×10^{-2}	
		(112.5 ~ 150) A	5.2×10^{-2}	
Current I1 (30 ~ 60) ns		(±)		
		2 A	4.5×10^{-2}	
		(2 ~ 4) A	5.0×10^{-2}	
		(4 ~ 8) A	5.3×10^{-2}	
		(8 ~ 16) A	4.9×10^{-2}	
		(16 ~ 36) A	5.0×10^{-2}	
		(36 ~ 50) A	4.4×10^{-2}	
		(50 ~ 60) A	5.7×10^{-2}	
		(60 ~ 80) A	5.2×10^{-2}	
Current I2 (60 ~ 130) ns		(±)		
		1 A	5.0×10^{-2}	
		(1 ~ 2) A	5.4×10^{-2}	
		(2 ~ 4) A	5.7×10^{-2}	
		(4 ~ 6) A	4.9×10^{-2}	
		(6 ~ 8) A	5.4×10^{-2}	
		(8 ~ 15) A	6.5×10^{-2}	
		(15 ~ 25) A	5.2×10^{-2}	
		(25 ~ 30) A	6.7×10^{-2}	
		(30 ~ 40) A	6.1×10^{-2}	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Electrostatic discharge generators	40613			Digital Oscilloscope/
Current I3 (360 ~ 800) ns		(±)		SICT-CP-40613
		0.275 A	1.5×10^{-1}	
		(0.275 ~ 0.55) A	2.2×10^{-1}	
		(0.55 ~ 1.1) A	1.9×10^{-1}	
		(1.1 ~ 1.65) A	1.6×10^{-1}	
		(1.65 ~ 4.13) A	2.3×10^{-1}	
		(4.13 ~ 6.88) A	1.5×10^{-1}	
		(6.88 ~ 8.25) A	2.4×10^{-1}	
		(8.25 ~ 11) A	1.9×10^{-1}	
Current I4 (30 ~ 65) ns		(±)		
		0.15 A	1.3×10^{-1}	
		(0.15 ~ 0.3) A	1.9×10^{-1}	
		(0.3 ~ 0.6) A	3.0×10^{-1}	
		(0.6 ~ 1.2) A	2.1×10^{-1}	
		(1.2 ~ 2.25) A	2.5×10^{-1}	
		(2.25 ~ 2.7) A	2.0×10^{-1}	
		(2.7 ~ 3.75) A	1.5×10^{-1}	
		(3.75 ~ 4.5) A	2.9×10^{-1}	
		(4.5 ~ 6) A	2.0×10^{-1}	
Semiconductor Peak Current HBM		(±)		
		(20 ~ 83.3) mA	3.1×10^{-2}	
		(0.083 3 ~ 1.33) A	3.6×10^{-2}	
		(1.33 ~ 6.66) A	2.7×10^{-2}	
Semiconductor Peak Current MM		(±)		
		(0.219 ~ 14) A	3.5×10^{-2}	
		(14 ~ 35) A	3.1×10^{-2}	
Time		0.1 ns	2.7×10^{-2}	
		0.1 ns ~ 1 ms	2.4×10^{-2}	
Peak Voltage		(±)		
		1 kV	3.0×10^{-2}	
		(1 ~ 35) kV	2.5×10^{-2}	
EMC receivers	40614			Network Analyzer, Pulse
Reference accuracy		100 kHz ~ 100 MHz	6.1×10^{-10}	Generator/
				SICT-CP-40614
Reflection coefficient		(0 ~ 1)		
		9 kHz ~ 2 GHz	0.004 6	
		(2 ~ 20) GHz	0.009 2	
		(20 ~ 40) GHz	0.015	
		(40 ~ 50) GHz	0.018	
SWR		(1 ~ ∞)		
		9 kHz ~ 2 GHz	0.009 2	
		(2 ~ 20) GHz	0.018	
		(20 ~ 40) GHz	0.029	
		(40 ~ 50) GHz	0.037	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
EMC receivers	40614			Network Analyzer, Pulse
Response to Sine-wave Voltage		10 Hz ~ 5 kHz	0.01 dB	Generator/
		5 kHz ~ 2 GHz	0.11 dB	SICT-CP-40614
		(2 ~ 18) GHz	0.15 dB	
		(18 ~ 26.5) GHz	0.20 dB	
		(26.5 ~ 40) GHz	0.26 dB	
		(40 ~ 50) GHz	0.29 dB	
Variation with Repetition Frequency relative calibration		9 kHz ~ 1 GHz	0.88 dB	
Amplitude relationship absolute calibration		9 kHz ~ 1 GHz	0.88 dB	
Overall pass-band selectivity		9 kHz ~ 1 GHz	0.14 dB	
Intermediate frequency rejection ratio		9 kHz ~ 40 GHz	0.14 dB	
Image frequency rejection ratio		9 kHz ~ 40 GHz	0.14 dB	
Other spurious responses		9 kHz ~ 40 GHz	0.14 dB	
Random Noise		DC ~ 40 GHz	0.32 dB	
IF bandwidth accuracy		(-6 dB)		
		1 Hz ~ 20 MHz	3.0×10^{-3}	
		(-60 dB)		
		1 Hz ~ 20 MHz	3.3×10^{-4}	
IF bandwidth selectivity		1 Hz ~ 20 MHz	3.0×10^{-3}	
RF filters	40615			Network Analyzer/
Reject Frequency		(9 ~ 90) kHz	0.024 kHz	SICT-CP-40615
		(90 ~ 900) kHz	0.24 kHz	
		900 kHz ~ 900 MHz	0.025 MHz	
		900 MHz ~ 18 GHz	0.068 MHz	
		(18 ~ 50) GHz	0.12 MHz	
Insertion Loss		(9 kHz ~ 8 GHz)		
		(0 ~ 10) dB	0.13 dB	
		(10 ~ 20) dB	0.14 dB	
		(20 ~ 40) dB	0.15 dB	
		(40 ~ 50) dB	0.16 dB	
		(50 ~ 60) dB	0.18 dB	
		(60 ~ 70) dB	0.23 dB	
		(70 ~ 80) dB	0.66 dB	
		(80 ~ 90) dB	1.7 dB	
		(90 ~ 100) dB	4.3 dB	
		(8 ~ 18) GHz		
		(0 ~ 10) dB	0.23 dB	
		(10 ~ 30) dB	0.24 dB	
		(30 ~ 50) dB	0.25 dB	
		(50 ~ 60) dB	0.26 dB	
		(60 ~ 70) dB	0.31 dB	
		(70 ~ 80) dB	0.73 dB	
		(80 ~ 90) dB	1.7 dB	
		(90 ~ 100) dB	4.3 dB	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
RF filters	40615			Network Analyzer/
Insertion Loss		(18 ~ 50) GHz		SICT-CP-40615
		(0 ~ 10) dB	0.48 dB	
		(10 ~ 20) dB	0.51 dB	
		(20 ~ 30) dB	0.52 dB	
		(20 ~ 40) dB	0.53 dB	
		(40 ~ 50) dB	0.54 dB	
		(50 ~ 60) dB	0.59 dB	
		(60 ~ 70) dB	0.78 dB	
		(70 ~ 80) dB	1.6 dB	
		(80 ~ 90) dB	2.8 dB	
		(90 ~ 100) dB	6.0 dB	
RF impedance meters	40616			Performance Kit/
RF Level		(100 kHz ~ 18 GHz)		SICT-CP-40616
		(35 ~ 20) dBm	0.11 dB	
		(20 Hz ~ 18 GHz)		
		(20 ~ -70) dBm	0.12 dB	
Frequency		9 kHz ~ 0.1 MHz	6.8×10^{-10}	
		0.1 MHz ~ 18 GHz	6.2×10^{-11}	
Load Measurement		DC	0.02 Ω	
		10 Hz ~ 100 MHz	0.06 Ω	
		(100 ~ 500) MHz	0.15 Ω	
		500 MHz ~ 1.8 GHz	0.21 Ω	
		(1.8 ~ 3.0) GHz	0.41 Ω	
		(3.0 ~ 18) GHz	1.1 Ω	
RF impulse generators	40617			Digital Oscilloscope/
Pulse Level		9 kHz ~ 1 GHz	0.33 dB	SICT-CP-40617
Line impedance stabilization networks; LISN, CDN, ISN, etc.	40618			Impedance/Gain-Phase Analyzer, Calibration Kit/
Impedance		9 kHz ~ 1 GHz	2.0×10^{-2}	SICT-CP-40618
Phase		9 kHz ~ 1 GHz	1.2 °	
Insertion Loss		9 kHz ~ 30 MHz	0.08 dB	
		30 MHz ~ 1 GHz	0.09 dB	
Decoupling Attenuation Isolation		(0 ~ 20) dB		
		9 kHz ~ 1 GHz	0.13 dB	
		(20 ~ 50) dB		
		9 kHz ~ 1 GHz	0.18 dB	
		(50 ~ 60) dB		
		9 kHz ~ 1 GHz	0.22 dB	
		(60 ~ 70) dB		
		9 kHz ~ 1 MHz	0.33 dB	
		1 MHz ~ 1 GHz	0.29 dB	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Line impedance stabilization networks; LISN, CDN, ISN, etc.	40618			Impedance/Gain-Phase Analyzer, Calibration Kit/
Decoupling Attenuation Isolation		(70 ~ 80) dB		
		9 kHz ~ 1 MHz	0.70 dB	
		1 MHz ~ 1 GHz	0.48 dB	
		(80 ~ 90) dB		
		9 kHz ~ 1 MHz	1.8 dB	
		1 MHz ~ 1 GHz	1.0 dB	
		(90 ~ 100) dB		
		9 kHz ~ 1 MHz	4.5 dB	
		1 MHz ~ 1 GHz	2.5 dB	
(Coupling Decoupling network)				
Impedance		9 kHz ~ 1 GHz	2.0×10^{-2}	
Insertion loss		9 kHz ~ 1 GHz	0.11 dB	
Reflection coefficient		(0 ~ 1)		
		9 kHz ~ 1 GHz	0.004 6	
SWR		(1 ~ ∞)		
		9 kHz ~ 1 GHz	0.009 2	
Coaxial standard mismatches	40619			Network Analyzer, Calibration Kit/
(Coaxial standard mismatches)				SICT-CP-40619-1
Reflection coefficient		(0 ~ 1)		
		10 Hz ~ 2 GHz	0.004 7	
		(2 ~ 20) GHz	0.009 2	
		(20 ~ 40) GHz	0.015	
		(40 ~ 50) GHz	0.019	
		(50 ~ 67) GHz	0.033	
SWR		(1 ~ ∞)		
		10 Hz ~ 2 GHz	0.009 5	
		(2 ~ 20) GHz	0.019	
		(20 ~ 40) GHz	0.031	
		(40 ~ 50) GHz	0.039	
		(50 ~ 67) GHz	0.067	
(Calibration kit)				SICT-CP-40619-2
Magnitude of reflection coefficient		(Termination)		
		9 kHz ~ 2 GHz	0.004 7	
		(2 ~ 20) GHz	0.009 2	
		(20 ~ 40) GHz	0.015	
		(40 ~ 50) GHz	0.019	
		(50 ~ 67) GHz	0.033	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Coaxial standard mismatches	40619			Network Analyzer, Calibration
(Calibration kit)				Kit/
Magnitude of reflection coefficient		(Short, Open circuit)		SICT-CP-40619-1
		9 kHz ~ 45 MHz	0.020	
		45 MHz ~ 2 GHz	0.016	
		(2 ~ 20) GHz	0.026	
		(20 ~ 40) GHz	0.044	
		(40 ~ 50) GHz	0.056	
		(50 ~ 67) GHz	0.066	
SWR		(1 ~ 1.01)		
		9 kHz ~ 2 GHz	0.009 5	
		(2 ~ 20) GHz	0.019	
		(20 ~ 40) GHz	0.031	
		(40 ~ 50) GHz	0.039	
		(50 ~ 67) GHz	0.067	
		(1.01 ~ 1.05)		
		9 kHz ~ 2 GHz	0.011	
		(2 ~ 20) GHz	0.020	
		(20 ~ 40) GHz	0.032	
		(40 ~ 50) GHz	0.040	
		(50 ~ 67) GHz	0.070	
		(1.05 ~ 1.2)		
		9 kHz ~ 45 MHz	0.015	
		45 MHz ~ 2 GHz	0.014	
		(2 ~ 20) GHz	0.024	
		(20 ~ 40) GHz	0.039	
		(40 ~ 50) GHz	0.049	
		(50 ~ 67) GHz	0.083	
		(1.2 ~ 1.5)		
		9 kHz ~ 45 MHz	0.023	
		45 MHz ~ 2 GHz	0.021	
		(2 ~ 20) GHz	0.035	
		(20 ~ 40) GHz	0.054	
		(40 ~ 50) GHz	0.066	
		(50 ~ 67) GHz	0.12	
		(1.5 ~ 2)		
		9 kHz ~ 45 MHz	0.040	
		45 MHz ~ 2 GHz	0.036	
		(2 ~ 20) GHz	0.055	
		(20 ~ 40) GHz	0.086	
		(40 ~ 50) GHz	0.11	
		(50 ~ 67) GHz	0.18	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Coaxial standard mismatches	40619			Network Analyzer, Calibration
SWR		(2 ~ 3)		Kit/
		9 kHz ~ 45 MHz	0.096	SICT-CP-40619-1
		45 MHz ~ 2 GHz	0.076	
		(2 ~ 20) GHz	0.12	
		(20 ~ 40) GHz	0.20	
		(40 ~ 50) GHz	0.24	
		(50 ~ 67) GHz	0.35	
		(3 ~ 9)		
		9 kHz ~ 45 MHz	0.80	
		45 MHz ~ 2 GHz	0.70	
		(2 ~ 20) GHz	1.1	
		(20 ~ 40) GHz	1.8	
		(40 ~ 50) GHz	2.2	
		(50 ~ 67) GHz	2.8	
Phase of reflection coefficient		(Termination)		
		9 kHz ~ 67 GHz	180°	
		(Short, Open circuit)		
		9 kHz ~ 45 MHz	1.2°	
		45 MHz ~ 2 GHz	0.87°	
		(2 ~ 20) GHz	1.5°	
		(20 ~ 40) GHz	2.6°	
		(40 ~ 50) GHz	3.2°	
		(50 ~ 67) GHz	3.8°	
Mobile communication test sets	40621			Measuring Receiver, RF Signal
Frequency Modulation		CW : 100 kHz ~ 50 GHz		Generator/
		0.1 Hz ~ 5 MHz	1.2×10^{-2}	SICT-CP-40621
Amplitude Modulation		CW : 100 kHz ~ 50 GHz		
		(0.1 ~ 100) %	1.2×10^{-2}	
Phase Modulation		CW : 100 kHz ~ 50 GHz		
		(0.1 ~ 1 000) rad	1.2×10^{-2}	
Distortion Harmonics of Modulation Rate Signal		(0 ~ 20) %	2.4×10^{-2}	
RF Output Level		(35 ~ 20) dBm		
(High range level)		100 kHz ~ 8 GHz	0.10 dB	
		(8 ~ 10) GHz	0.13 dB	
		(10 ~ 12) GHz	0.14 dB	
		(12 ~ 18) GHz	0.15 dB	
		(20 ~ -30) dBm		
		9 kHz ~ 1 GHz	0.06 dB	
		(1 ~ 14) GHz	0.07 dB	
		(14 ~ 18) GHz	0.08 dB	
		(18 ~ 26) GHz	0.10 dB	
		(26 ~ 34) GHz	0.12 dB	
		(34 ~ 42) GHz	0.14 dB	
		(42 ~ 48) GHz	0.15 dB	
		(48 ~ 50) GHz	0.19 dB	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Mobile communication test sets	40621			Measuring Receiver, RF Signal
RF Output Level		(-30 ~ -60) dBm		Generator/
(High range level)		9 kHz ~ 1 GHz	0.06 dB	SICT-CP-40621
		(1 ~ 14) GHz	0.07 dB	
		(14 ~ 18) GHz	0.09 dB	
		(18 ~ 30) GHz	0.11 dB	
		(30 ~ 38) GHz	0.13 dB	
		(38 ~ 46) GHz	0.19 dB	
		(46 ~ 50) GHz	0.21 dB	
RF Output Level		(9 kHz ~ 4.2 GHz)		
(Low range Absolute TRFL)		30 dBm ~ 0 dBm	0.14 dB	
		0 dBm ~ -40 dBm	0.14 dB	
		-40 dBm ~ -80 dBm	0.16 dB	
		-80 dBm ~ -120 dBm	0.18 dB	
		(4.2 GHz ~ 8 GHz)		
		30 dBm ~ 0 dBm	0.19 dB	
		0 dBm ~ -40 dBm	0.17 dB	
		-40 dBm ~ -80 dBm	0.19 dB	
		-80 dBm ~ -120 dBm	0.21 dB	
		(8 GHz ~ 12.4 GHz)		
		30 dBm ~ 0 dBm	0.21 dB	
		0 dBm ~ -40 dBm	0.19 dB	
		-40 dBm ~ -80 dBm	0.21 dB	
		-80 dBm ~ -120 dBm	0.23 dB	
		(12.4 GHz ~ 18 GHz)		
		30 dBm ~ 0 dBm	0.21 dB	
		0 dBm ~ -40 dBm	0.22 dB	
		-40 dBm ~ -80 dBm	0.24 dB	
		-80 dBm ~ -120 dBm	0.26 dB	
		(18 GHz ~ 26.5 GHz)		
		30 dBm ~ 0 dBm	0.28 dB	
		0 dBm ~ -40 dBm	0.29 dB	
		-40 dBm ~ -80 dBm	0.30 dB	
		-80 dBm ~ -120 dBm	0.32 dB	
Harmonic		(0 ~ -100) dBC	0.38 dB	
Frequency Output Accuracy		9 kHz ~ 50 GHz	6.1×10^{-10}	
AC Output Level		(10 Hz ~ 100 kHz)		
		(1 ~ 10) mV	2.6×10^{-3}	
		(10 ~ 100) mV	6.3×10^{-4}	
		(0.1 ~ 10) V	6.5×10^{-4}	
		(10 ~ 100) V	6.6×10^{-4}	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Mobile communication test sets	40621			Measuring Receiver, RF Signal
DC Output Level		(1 ~ 10) mV	4.1×10^{-4}	Generator/
		(10 ~ 100) mV	4.1×10^{-5}	SICT-CP-40621
		(0.1 ~ 1) V	6.8×10^{-6}	
		(1 ~ 10) V	3.6×10^{-6}	
		(10 ~ 100) V	5.3×10^{-6}	
AC Input Level		(10 Hz ~ 100 kHz)		
		(1 ~ 10) mV	7.2×10^{-3}	
		(10 ~ 100) mV	1.9×10^{-3}	
		(0.1 ~ 1) V	1.2×10^{-3}	
		(1 ~ 10) V	4.0×10^{-4}	
		(10 ~ 100) V	4.3×10^{-4}	
DC Input Level		(1 ~ 10) mV	1.5×10^{-3}	
		(10 ~ 100) mV	1.5×10^{-4}	
		(0.1 ~ 10) V	6.4×10^{-5}	
		(10 ~ 100) V	8.0×10^{-5}	
RF Input Level		(9 kHz ~ 18 GHz)		
		(10 ~ -70) dBm	0.14 dB	
		(18 ~ 50) GHz		
		(10 ~ -70) dBm	0.29 dB	
Reflection coefficient		(0 ~ 1)		
		9 kHz ~ 2 GHz	0.004 6	
		(2 ~ 20) GHz	0.009 2	
		(20 ~ 40) GHz	0.015	
		(40 ~ 50) GHz	0.018	
SWR		(1 ~ ∞)		
		9 kHz ~ 2 GHz	0.009 2	
		(2 ~ 20) GHz	0.018	
		(20 ~ 40) GHz	0.029	
		(40 ~ 50) GHz	0.037	
Modulation meters	40622			Measuring Receiver/
Amplitude Modulation		0 kHz	0.01 %	SICT-CP-40622
		(0 ~ 400) kHz	1.2×10^{-2}	
Frequency Modulation		0 %	1 Hz	
		(0 ~ 100) %	1.2×10^{-2}	
Phase Modulation		0 rad	1.2 mrad	
		(0 ~ 400) rad	1.2×10^{-2}	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Network analyzers	40623			Power Sensor, Verification
Frequency Output Accuracy		5 Hz ~ 60 GHz	6.1×10^{-10}	Kit/
				SICT-CP-40623
RF Output Level Accuracy		(20 ~ -30) dBm		
		5 Hz ~ 100 Hz	0.01 dB	
		100 Hz ~ 1 GHz	0.06 dB	
		(1 ~ 13) GHz	0.07 dB	
		(13 ~ 18) GHz	0.08 dB	
		(18 ~ 26.5) GHz	0.10 dB	
		(26.5 ~ 30) GHz	0.11 dB	
		(30 ~ 45) GHz	0.15 dB	
		(45 ~ 55) GHz	0.23 dB	
		(55 ~ 75) GHz	0.30 dB	
		(75 ~ 100) GHz	0.35 dB	
		(100 ~ 110) GHz	0.40 dB	
		(-30 ~ -60) dBm		
		9 kHz ~ 1 GHz	0.06 dB	
		(1 ~ 18) GHz	0.08 dB	
		(18 ~ 26.5) GHz	0.10 dB	
		(26.5 ~ 30) GHz	0.11 dB	
		(30 ~ 40) GHz	0.15 dB	
		(40 ~ 50) GHz	0.21 dB	
Dynamic Accuracy		(100 kHz ~ 18 GHz)		
		(0 ~ 10) dB	0.091 dB	
		(10 ~ 20) dB	0.093 dB	
		(20 ~ 40) dB	0.095 dB	
		(40 ~ 60) dB	0.12 dB	
		(60 ~ 80) dB	0.14 dB	
		(80 ~ 90) dB	0.15 dB	
		(90 ~ 100) dB	0.16 dB	
Attenuation Accuracy		(20 dB)		
		300 kHz ~ 45 MHz	0.051 dB	
		45 MHz ~ 2 GHz	0.053 dB	
		(2 ~ 7.5) GHz	0.056 dB	
		(7.5~ 26.5) GHz	0.057 dB	
		(40 dB)		
		300 kHz ~ 45 MHz	0.055 dB	
		45 MHz ~ 6 GHz	0.060 dB	
		(6 ~ 15) GHz	0.064 dB	
		(15 ~ 26.5) GHz	0.065 dB	
Phase		(±180°)		
		300 kHz ~ 45 MHz	0.31°	
		45 MHz ~ 9.0 GHz	0.26°	
		(9.0 ~ 15.0) GHz	0.28°	
		(15.0 ~ 20.0) GHz	0.35°	
		(20.0 ~ 26.5) GHz	0.42°	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Network analyzers	40623			Power Sensor, Verification
VSWR		(30 kHz ~ 2 GHz)		Kit/
		1.05	0.012	SICT-CP-40623
		1.20	0.012	
		1.50	0.013	
		2.00	0.019	
		(2 ~ 18) GHz		
		1.05	0.019	
		1.20	0.019	
		1.50	0.019	
		2.00	0.023	
Noise figure meters	40624			Noise Source/
Tuning Accuracy		10 MHz ~ 26.5 GHz	4.3×10^{-5}	SICT-CP-40624
Referency frequency		10 MHz	6.1×10^{-10}	
Input VSWR		9 kHz ~ 1 GHz	0.008	
		(1 ~ 20) GHz	0.019	
		(20 ~ 26.5) GHz	0.03	
DC voltage		(0 ~ 28) V	0.000 18 V	
Range		(0 ~ 30) dB	0.052 dB	
Noise Figure		10 MHz ~ 8 GHz	0.12 dB	
		(8 ~ 18) GHz	0.16 dB	
		(18 ~ 26.5) GHz	0.37 dB	
Noise generators	40625			Spectrum Analyzer/
Noise Power		(-80 ~ -130) dBm/Hz	0.10 dB	SICT-CP-40625
Scale Fidelity		(0 ~ 50) dB	0.27 dB	
Noise impulse simulators	40626			Digital Oscilloscope/
Peak Voltage		(±)		SICT-CP-40626
		0.1 kV	4.0×10^{-2}	
		(0.1 ~ 5) kV	3.5×10^{-2}	
Rise/Fall Time		1 ns	6.0×10^{-3}	
		(1 ~ 2) ns	3.1×10^{-3}	
		(2 ~ 4) ns	1.5×10^{-3}	
Pulse Width		10 ns	2.0×10^{-3}	
		(10 ~ 1 000) ns	1.5×10^{-3}	
RF phase noise meters	40627			RF Signal analyzer/
RF phase noise		(Carrier Frequency)		SICT-CP-40627
		100 MHz ~ 18 GHz	1.0 dB	
		(Offset Frequency)		
		10 Hz ~ 100 MHz	1.0 dB	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Coaxial noise sources	40628			Coaxial noise sources,
ENR		(4.5 ~ 16) dB		Noise figure analyzer/
		(0.01 ~ 1) GHz	0.28 dB	SICT-CP-40628
		(1 ~ 7) GHz	0.27 dB	
		(7 ~ 8) GHz	0.30 dB	
		(8 ~ 14) GHz	0.31 dB	
		(14 ~ 18) GHz	0.32 dB	
		(12 ~ 17) dB		
		(0.01 ~ 1) GHz	0.31 dB	
		(1 ~ 2) GHz	0.28 dB	
		(2 ~ 6) GHz	0.30 dB	
		(6 ~ 7) GHz	0.29 dB	
		(7 ~ 12) GHz	0.40 dB	
		(12 ~ 18) GHz	0.41 dB	
		(18 ~ 26.5) GHz	0.47 dB	
SWR		(0 ~1)		
		(0.01 ~ 3) GHz	0.006 8	
		(3 ~ 20) GHz	0.010	
		(20 ~ 26.5) GHz	0.015	
RF power meters	40635			Range Calibrator/
High power		(0.1 ~ 500) W		SICT-CP-40635
		10 kHz ~ 250 MHz	2.6×10^{-2}	
		(0.1 ~ 150) W		
		(80 ~ 1 000) MHz	2.6×10^{-2}	
		(0.1 ~ 10) W		
		(1 000 ~ 4 200) MHz	2.7×10^{-2}	
Zero Carryover		10 μW ~ 1 ㎽	3 nW	
		(1 ~ 100) ㎽	0.01 ㎽	
Power		3 μW ~ 100 ㎽	1.6×10^{-3}	
Calibration Factor		(88 ~ 100) %	0.5×10^{-3}	
Power Ref. Output		50 MHz, 1 ㎽	8 μW	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Diode power sensors	40636			Therimistor Mount,
Calibration Factor		(1 ~ 10) μW		Synthesized Sweeper/
		9 kHz ~ 100 kHz	7.0×10^{-3}	SICT-CP-40636
		100 kHz ~ 1 GHz	1.1×10^{-2}	
		(1 ~ 10) GHz	1.2×10^{-2}	
		(10 ~ 18) GHz	1.9×10^{-2}	
		(18 ~ 26.5) GHz	2.8×10^{-2}	
		(26.5 ~ 40) GHz	3.4×10^{-2}	
		(40 ~ 50) GHz	4.1×10^{-2}	
		(10 μW ~ 10 ㎽)		
		9 kHz ~ 100 kHz	4.0×10^{-3}	
		100 kHz ~ 1 GHz	9.0×10^{-3}	
		(1 ~ 10) GHz	1.1×10^{-2}	
		(10 ~ 18) GHz	1.9×10^{-2}	
		(18 ~ 26.5) GHz	2.6×10^{-2}	
		(26.5 ~ 40) GHz	3.1×10^{-2}	
		(40 ~ 50) GHz	3.7×10^{-2}	
		(50 ~ 67) GHz	4.2×10^{-2}	
Reflection coefficient		(0 ~ 1)		
		9 kHz ~ 2 GHz	0.004 6	
		(2 ~ 20) GHz	0.009 2	
		(20 ~ 40) GHz	0.015	
		(40 ~ 50) GHz	0.018	
		(50 ~ 67) GHz	0.033	
SWR		(1 ~ ∞)		
		9 kHz ~ 2 GHz	0.009 2	
		(2 ~ 20) GHz	0.018	
		(20 ~ 40) GHz	0.029	
		(40 ~ 50) GHz	0.037	
		(50 ~ 67) GHz	0.065	
Thermocouple power sensors	40637			Therimistor Mount,
Calibration Factor		(1 ~ 10) μW		Synthesized Sweeper/
		9 kHz ~ 100 kHz	7.0×10^{-3}	SICT-CP-40637
		100 kHz ~ 1 GHz	1.1×10^{-2}	
		(1 ~ 10) GHz	1.2×10^{-2}	
		(10 ~ 18) GHz	1.9×10^{-2}	
		(18 ~ 26.5) GHz	2.8×10^{-2}	
		(26.5 ~ 40) GHz	3.4×10^{-2}	
		(40 ~ 50) GHz	4.1×10^{-2}	
		(10 μW ~ 10 ㎽)		
		9 kHz ~ 100 kHz	4.0×10^{-3}	
		100 kHz ~ 1 GHz	9.0×10^{-3}	
		(1 ~ 10) GHz	1.1×10^{-2}	
		(10 ~ 18) GHz	1.9×10^{-2}	
		(18 ~ 26.5) GHz	2.6×10^{-2}	
		(26.5 ~ 40) GHz	3.1×10^{-2}	
		(40 ~ 50) GHz	3.7×10^{-2}	
		(50 ~ 67) GHz	4.2×10^{-2}	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Thermocouple power sensors	40637			Therimistor Mount,
Reflection coefficient		(0 ~ 1)		Synthesized Sweeper/
		9 kHz ~ 2 GHz	0.004 6	SICT-CP-40637
		(2 ~ 20) GHz	0.009 2	
		(20 ~ 40) GHz	0.015	
		(40 ~ 50) GHz	0.018	
		(50 ~ 67) GHz	0.033	
SWR		(1 ~ ∞)		
		9 kHz ~ 2 GHz	0.009 2	
		(2 ~ 20) GHz	0.018	
		(20 ~ 40) GHz	0.029	
		(40 ~ 50) GHz	0.037	
		(50 ~ 67) GHz	0.065	
Pulse generators	40638			Digital Oscilloscope/
Period		100 ps ~ 1 s	5.8×10^{-9}	SICT-CP-40638
Frequency		1 Hz ~ 1 GHz	5.8×10^{-9}	
		(1 ~ 3.35) GHz	1.7×10^{-8}	
Width		100 ps ~ 1 s	1.2×10^{-3}	
Delay Time		100 ps ~ 1 s	1.2×10^{-3}	
Double Pulse		100 ps ~ 1 s	1.2×10^{-3}	
Duty Cycle		(1 ~ 99) %	0.006 2 %	
DC Level		±(10 mV ~ 100 V)	5.8×10^{-4}	
Output Level		(100 Hz ~ 10 kHz)		
		(10 ~ -20) dBm	0.018 dB	
Radar test sets	40639			Signal Analyzer,
(Ship)				SART Generator,
RF Level		(20 ~ -20) dBm)		EPIRB Generator/
		20 Hz ~ 1 GHz	0.09 dB	SICT-CP-40639
		(1 ~ 18) GHz	0.13 dB	
		(-20 ~ -60) dBm		
		9 kHz ~ 1 GHz	0.06 dB	
		(1 ~ 18) GHz	0.11 dB	
		(-60 ~ -120) dBm		
		10 MHz ~ 18 GHz	0.25 dB	
Amplitude Modulation		(0.1 ~ 100) %	1.2×10^{-2}	
Frequency Modulation		(0.1 ~ 400) kHz	1.2×10^{-2}	
Phase Modulation		(0.1 ~ 400) rad	1.2×10^{-2}	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Radar test sets	40639			Signal Analyzer,
Distortion of Modulation		(0 ~ 2) %	1.2×10^{-3}	SART Generator,
				EPIRB Generator/
Hamonics		(9 kHz ~ 18 GHz)		SICT-CP-40639
		(0 ~ -110) dB	0.25 dB	
Frequency		9 kHz ~ 18 GHz	6.2×10^{-11}	
Pulse Period		1 ns ~ 10 ms	1.2×10^{-2}	
High power		(0.1 ~ 500) W		
		10 kHz ~ 250 MHz	2.6×10^{-2}	
		(0.1 ~ 150) W		
		(80 ~ 1 000) MHz	2.6×10^{-2}	
		(0.1 ~ 10) W		
		(1 000 ~ 4 200) MHz	2.7×10^{-2}	
(flight)				
Frequency(VOR/ILS/DME)		(74.6 ~ 1 150) MHz	8.2×10^{-8}	
Amplitude Modulation(VOR/ILS)		Localizer		
		(108.1 ~ 111.95) MHz		
		(0.1 ~ 20) %	0.62 %	
		Glideslope		
		(330.95 ~ 334.70) MHz		
		(20 ~ 40) %	0.84 %	
		Marker Beacon		
		(74.6 ~ 75.4) MHz		
		(40 ~ 95) %	1.4 %	
		VOR		
		(108 ~ 117.95) MHz		
		(0.1 ~ 30) %	0.62 %	
고주파 레벨(VOR/ILS)		Localizer		
		(108.1 ~ 111.95) MHz		
		(10 ~ -30) dBm	0.19 dB	
		(-30 ~ -50) dBm	0.23 dB	
		(-50 ~ -70) dBm	0.24 dB	
		(-70 ~ -110) dBm	0.34 dB	
		(-110 ~ -120) dBm	0.35 dB	
		Glideslope		
		(330.95 ~ 334.70) MHz		
		(10 ~ -30) dBm	0.19 dB	
		(-30 ~ -50) dBm	0.23 dB	
		(-50 ~ -70) dBm	0.24 dB	
		(-70 ~ -110) dBm	0.34 dB	
		(-110 ~ -120) dBm	0.35 dB	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Radar test sets	40639			Signal Analyzer,
DDM(VOR/ILS)		Localizer		SART Generator,
		(108.1 ~ 111.95) MHz		EPIRB Generator/
		LEFT(-0.200 ~ -0.155)	0.000 5	SICT-CP-40639
		LEFT(-0.155 ~ -0.093)	0.000 5	
		CENTER(0.000)	0.000 5	
		RIGHT(0.093 ~ 0.155)	0.000 5	
		RIGHT(0.155 ~ 0.200)	0.000 5	
		Glideslope		
		(330.95 ~ 334.70) MHz		
		DOWN(0.400 ~ 0.175)	0.000 5	
		DOWN(0.175 ~ 0.091)	0.000 5	
		CENTER(0.000)	0.000 5	
		UP(-0.091 ~ -0.175)	0.000 5	
		UP(-0.175 ~ -0.400)	0.000 5	
SDM(VOR/ILS)		Localizer		
		(108.1 ~ 111.95) MHz		
		(0 ~ 40) %	0.87 %	
		Glideslope		
		(330.95 ~ 334.70) MHz		
		(40 ~ 80) %	1.2 %	
BEARING ANGLE(VOR)		VOR		
		(108 ~ 117.95) MHz		
		(0 ~ 360) °	0.04 °	
RF signal generators	40640			Measuring Receiver/
Frequency Modulation		CW : 100 kHz ~ 50 GHz Rate : 10 Hz ~ 100 kHz		SICT-CP-40640
		0.1 Hz ~ 5 MHz	1.2×10^{-2}	
Amplitude Modulation		CW : 100 kHz ~ 50 GHz Rate : 10 Hz ~ 100 kHz		
		(0.1 ~ 100) %	1.2×10^{-2}	
Phase Modulation		CW : 100 kHz ~ 50 GHz Rate : 10 Hz ~ 100 kHz		
		(0.1 ~ 1 000) rad	1.2×10^{-2}	
Distortion Harmonics of Modulation Rate Signal		(0 ~ 20) %	2.4×10^{-2}	
RF Output Level		(57 ~ 54) dBm		
(High range level)		100 kHz ~ 500 MHz	0.14 dB	
		(54 ~ 51) dBm		
		100 kHz ~ 500 MHz	0.12 dB	
		500 MHz ~ 2 GHz	0.18 dB	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
RF signal generators	40640			Measuring Receiver/
RF Output Level		(51 ~ 35) dBm		SICT-CP-40640
(High range level)		100 kHz ~ 1 GHz	0.13 dB	
		(1 ~ 8) GHz	0.14 dB	
		(8 ~ 12) GHz	0.16 dB	
		(12 ~ 18) GHz	0.17 dB	
		(35 ~ 20) dBm		
		100 kHz ~ 8 GHz	0.10 dB	
		(8 ~ 10) GHz	0.12 dB	
		(10 ~ 12) GHz	0.13 dB	
		(12 ~ 18) GHz	0.15 dB	
		(20 ~ -30) dBm		
		20 Hz ~ 1 GHz	0.06 dB	
		(1 ~ 14) GHz	0.07 dB	
		(14 ~ 18) GHz	0.08 dB	
		(18 ~ 28) GHz	0.11 dB	
		(28 ~ 38) GHz	0.13 dB	
		(38 ~ 48) GHz	0.15 dB	
		(48 ~ 50) GHz	0.19 dB	
		(50 ~ 55) GHz	0.25 dB	
		(55 ~ 65) GHz	0.29 dB	
		(65 ~ 75) GHz	0.30 dB	
		(75 ~ 80) GHz	0.34 dB	
		(80 ~ 100) GHz	0.36 dB	
		(100 ~ 110) GHz	0.40 dB	
		(-30 ~ -60) dBm		
		9 kHz ~ 1 GHz	0.06 dB	
		(1 ~ 14) GHz	0.07 dB	
		(14 ~ 18) GHz	0.08 dB	
		(18 ~ 28) GHz	0.11 dB	
		(28 ~ 35) GHz	0.13 dB	
		(35 ~ 40) GHz	0.15 dB	
		(40 ~ 50) GHz	0.21 dB	
RF Output Level		(9 kHz ~ 4.2 GHz)		
(Low range Absolute TRFL)		30 dBm ~ 0 dBm	0.14 dB	
		0 dBm ~ -40 dBm	0.14 dB	
		-40 dBm ~ -80 dBm	0.16 dB	
		-80 dBm ~ -120 dBm	0.18 dB	
		(4.2 GHz ~ 8 GHz)		
		30 dBm ~ 0 dBm	0.19 dB	
		0 dBm ~ -40 dBm	0.17 dB	
		-40 dBm ~ -80 dBm	0.19 dB	
		-80 dBm ~ -120 dBm	0.21 dB	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
RF signal generators	40640			Measuring Receiver/
RF Output Level		(8 GHz ~ 12.4 GHz)		SICT-CP-40640
(Low range Absolute TRFL)		30 dBm ~ 0 dBm	0.21 dB	
		0 dBm ~ -40 dBm	0.19 dB	
		-40 dBm ~ -80 dBm	0.21 dB	
		-80 dBm ~ -120 dBm	0.23 dB	
		(12.4 GHz ~ 18 GHz)		
		30 dBm ~ 0 dBm	0.21 dB	
		0 dBm ~ -40 dBm	0.22 dB	
		-40 dBm ~ -80 dBm	0.24 dB	
		-80 dBm ~ -120 dBm	0.26 dB	
		(18 GHz ~ 26.5 GHz)		
		30 dBm ~ 0 dBm	0.28 dB	
		0 dBm ~ -40 dBm	0.29 dB	
		-40 dBm ~ -80 dBm	0.30 dB	
		-80 dBm ~ -120 dBm	0.32 dB	
Harmonic		(-10 ~ -110) dBc	0.38 dB	
Output Frequency		20 Hz ~ 60 GHz	6.1×10^{-10}	
Pulse Modulation		(100 kHz ~ 12 000 MHz)		
		Period (1 μs ~ 1 s)	2.0×10^{-3}	
		ton (100 ns ~ 1000 μs)	2.0×10^{-3}	
		PRR (1 Hz ~ 1 MHz)	2.0×10^{-3}	
RF spectrum analyzers	40641			Power Sensor, Synthesized
Center frequency readout accuracy		3 Hz ~ 100 kHz	0.61 mHz	Sweeper/
		100 kHz ~ 10 MHz	61 mHz	SICT-CP-40641
		10 MHz ~ 67 GHz	0.61 kHz	
Frequency count function accuracy		3 Hz ~ 100 kHz	0.61 mHz	
		100 kHz ~ 10 MHz	61 mHz	
		10 MHz ~ 67 GHz	0.61 kHz	
Frequency span accuracy		10 Hz ~ 10 kHz	6.1×10^{-4}	
		10 kHz ~ 67 GHz	6.1×10^{-5}	
Resolution bandwidth accuracy		1 Hz ~ 100 MHz	6.1×10^{-4}	
Resolution bandwidth selectivity		1 Hz ~ 100 MHz	3.2×10^{-3}	
Resolution bandwidth switching accuracy		1 Hz ~ 100 MHz	0.023 dB	
Scale switching accuracy		1 dB ~ 10 dB	0.023 dB	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
RF spectrum analyzers	40641			Power Sensor, Synthesized
Scale fidelity accuracy		(0 ~ -10) dB	0.085 dB	Sweeper/
		(-10 ~ -30) dB	0.087 dB	SICT-CP-40641
		(-30 ~ -40) dB	0.089 dB	
		(-40 ~ -50) dB	0.092 dB	
		(-50 ~ -60) dB	0.10 dB	
		(-60 ~ -70) dB	0.11 dB	
		(-70 ~ -80) dB	0.13 dB	
		(-80 ~ -90) dB	0.14 dB	
		(-90 ~ -100) dB	0.15 dB	
Frequency response accuracy		(5 ~ 100) Hz	0.01 dB	
		100 Hz ~ 100 kHz	0.10 dB	
		100 kHz ~ 8 GHz	0.11 dB	
		(8 ~ 15) GHz	0.12 dB	
		(15 ~ 18) GHz	0.15 dB	
		(18 ~ 25) GHz	0.20 dB	
		(25 ~ 26.5) GHz	0.21 dB	
		(26.5 ~ 30) GHz	0.24 dB	
		(30 ~ 45) GHz	0.26 dB	
		(45 ~ 67) GHz	0.32 dB	
Average noise accuracy		DC ~ 50 GHz	0.15 dB	
Sideband noise accuracy		(-30 ~ 30) kHz	0.15 dB	
Calibrator output frequency accuracy		DC ~ 1 GHz	6.1×10^{-9}	
Calibrator output amplitude accuracy		(20 ~ -20) dBm	0.06 dB	
RF speed guns	40642			Signal Generator/
		(5 ~ 3 000) m/s	0.01 m/s	SICT-CP-40642
Surge generators	40643			Digital Oscilloscope/
(Surge generator)				SICT-CP-40643
Surge Voltage		(±)		
		5 mV	3.2×10^{-2}	
		5 mV ~ 2 V	3.0×10^{-2}	
		(2 ~ 5) V	4.0×10^{-2}	
		5 V ~ 200 kV	3.5×10^{-2}	
Surge Current		(±)		
		5 A	3.3×10^{-2}	
		5 A ~ 200 kA	3.6×10^{-2}	
Rise/Fall Time		1 μs	2.4×10^{-3}	
		(1 ~ 4) μs	4.6×10^{-3}	
		4 μs ~ 10 s	2.9×10^{-3}	
Pulse Width		1 μs	1.2×10^{-3}	
		1 μs ~ 10 s	2.0×10^{-3}	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Surge generators	40643			Digital Oscilloscope/
Time measurement by section		1 ns	6.0×10^{-3}	SICT-CP-40643
		(1 ~ 2) ns	3.0×10^{-3}	
		2 ns ~ 10 s	2.0×10^{-3}	
Pulse Period		1 Hz ~ 25 MHz	1.6×10^{-3}	
Phase Shifting		at 50 Hz		
		(0 ~ 360)°	1.2°	
		at 60 Hz		
		(0 ~ 360)°	1.4°	
(Partial Discharge Calibrator)				
Charge Pulse Voltage		(±)		
		5 mV	3.2×10^{-2}	
		5 mV ~ 50 V	3.0×10^{-2}	
SWR meters	40644			Coaxial Mismatch/
Frequency		9 kHz ~ 18 GHz	6.4×10^{-5}	SICT-CP-40644
Output Level		30 kHz ~ 100 MHz	0.06 dB	
		100 MHz ~ 10 GHz	0.08 dB	
		(10 ~ 18) GHz	0.09 dB	
SWR		(30 kHz ~ 30 MHz)		
		1.05	0.019	
		1.20	0.019	
		1.50	0.019	
		2.00	0.020	
		(30 MHz ~ 2 GHz)		
		1.05	0.021	
		1.20	0.021	
		1.50	0.021	
		2.00	0.021	
		(2 ~ 18) GHz		
		1.05	0.018	
		1.20	0.018	
		1.50	0.018	
		2.00	0.024	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
RF terminations	40645			Network Analyzer, Coaxial
(Open,Short,Phase)		(±180°)		Mismatch/
		10 Hz ~ 2 GHz	0.49°	SICT-CP-40645
		(2 ~ 20) GHz	0.61°	
		(20 ~ 40) GHz	0.95°	
		(40 ~ 50) GHz	1.2°	
(Reflection coefficient)		(0 ~ 1)		
		10 Hz ~ 100 kHz	0.004 3	
		100 kHz ~ 500 MHz	0.006 0	
		500 MHz ~ 20 GHz	0.009 5	
		(20 ~ 40) GHz	0.016	
		(40 ~ 50) GHz	0.019	
(SWR)		(1 ~ ∞)		
		10 Hz ~ 100 kHz	0.008 6	
		100 kHz ~ 500 MHz	0.012	
		500 MHz ~ 20 GHz	0.019	
		(20 ~ 40) GHz	0.032	
		(40 ~ 50) GHz	0.038	
(Impedance)		(0.000 0 ~ 0.047 6)		
		10 Hz ~ 500 MHz	0.64 Ω	
		500 MHz ~ 20 GHz	1.0 Ω	
		(20 ~ 40) GHz	1.6 Ω	
		(40 ~ 50) GHz	2.0 Ω	
		(0.047 6 ~ 0.090 9)		
		10 Hz ~ 500 MHz	0.71 Ω	
		500 MHz ~ 20 GHz	1.1 Ω	
		(20 ~ 40) GHz	1.8 Ω	
		(40 ~ 50) GHz	2.2 Ω	
		(0.090 9 ~ 0.166 7)		
		10 Hz ~ 500 MHz	0.84 Ω	
		500 MHz ~ 20 GHz	1.3 Ω	
		(20 ~ 40) GHz	2.1 Ω	
		(40 ~ 50) GHz	2.7 Ω	
		(0.166 7 ~ 0.230 8)		
		10 Hz ~ 500 MHz	0.99 Ω	
		500 MHz ~ 20 GHz	1.6 Ω	
		(20 ~ 40) GHz	2.5 Ω	
		(40 ~ 50) GHz	3.1 Ω	
		(0.230 8 ~ 0.285 7)		
		10 Hz ~ 500 MHz	1.1 Ω	
		500 MHz ~ 20 GHz	1.8 Ω	
		(20 ~ 40) GHz	2.9 Ω	
		(40 ~ 50) GHz	3.6 Ω	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
RF terminations	40645			Network Analyzer, Coaxial
(Impedance)		(0.285 7 ~ 0.333 4)		Mismatch/
		10 Hz ~ 500 MHz	1.3 Ω	SICT-CP-40645
		500 MHz ~ 20 GHz	2.1 Ω	
		(20 ~ 40) GHz	3.3 Ω	
		(40 ~ 50) GHz	4.2 Ω	
		(0.000 0 ~ 0.047 6, ±180 °)		
		10 Hz ~ 500 MHz	0.68°	
		500 MHz ~ 20 GHz	1.1°	
		(20 ~ 40) GHz	1.7°	
		(40 ~ 50) GHz	2.2°	
		(0.047 6 ~ 0.090 9, ±180 °)		
		10 Hz ~ 500 MHz	0.67°	
		500 MHz ~ 20 GHz	1.1°	
		(20 ~ 40) GHz	1.7°	
		(40 ~ 50) GHz	2.1°	
		(0.090 9 ~ 0.166 7, ±180 °)		
		10 Hz ~ 500 MHz	0.66°	
		500 MHz ~ 20 GHz	1.1°	
		(20 ~ 40) GHz	1.7°	
		(40 ~ 50) GHz	2.1°	
		(0.166 7 ~ 0.230 8, ±180 °)		
		10 Hz ~ 500 MHz	0.65°	
		500 MHz ~ 20 GHz	1.0°	
		(20 ~ 40) GHz	1.6°	
		(40 ~ 50) GHz	2.1°	
		(0.230 8 ~ 0.285 7, ±180 °)		
		10 Hz ~ 500 MHz	0.64°	
		500 MHz ~ 20 GHz	1.0°	
		(20 ~ 40) GHz	1.6°	
		(40 ~ 50) GHz	2.0°	
		(0.285 7 ~ 0.333 4, ±180 °)		
		10 Hz ~ 500 MHz	0.62°	
		500 MHz ~ 20 GHz	1.0°	
		(20 ~ 40) GHz	1.6°	
		(40 ~ 50) GHz	2.0°	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Coaxial thermistor mounts	40646			Therimistor Mount,
Cal Factor		(1 ~ 10) μW		Synthesized Sweeper/
		(9 ~ 100) kHz	0.4×10^{-2}	SICT-CP-40646
		100 kHz ~ 1 GHz	0.9×10^{-2}	
		(1 ~ 10) GHz	1.1×10^{-2}	
		(10 ~ 18) GHz	1.9×10^{-2}	
		(18 ~ 26.5) GHz	2.8×10^{-2}	
		(26.5 ~ 40) GHz	4.0×10^{-2}	
		(10 μW ~ 10 ㎽)		
		(9 ~ 100) kHz	0.4×10^{-2}	
		100 kHz ~ 1 GHz	0.9×10^{-2}	
		(1 ~ 10) GHz	1.1×10^{-2}	
		(10 ~ 18) GHz	1.9×10^{-2}	
		(18 ~ 26.5) GHz	2.6×10^{-2}	
		(26.5 ~ 40) GHz	3.5×10^{-2}	
Reflection coefficient		(0 ~ 1)		
		20 Hz ~ 1 GHz	4.2×10^{-3}	
		(1 ~ 20) GHz	9.4×10^{-3}	
		(20 ~ 40) GHz	1.5×10^{-2}	
SWR		(1 ~ ∞)		
		20 Hz ~ 1 GHz	9.7×10^{-3}	
		(1 ~ 20) GHz	2.4×10^{-2}	
		(20 ~ 40) GHz	3.8×10^{-2}	
RF voltmeters	40650			RF Millivolt Meter Calibrator/
RF Voltage		3 V	4.2 mV	SICT-CP-40650
		1 V	1.4 mV	
		300 mV	0.36 mV	
		270 mV	0.32 mV	
		240 mV	0.28 mV	
		210 mV	0.26 mV	
		180 mV	0.24 mV	
		150 mV	0.22 mV	
		120 mV	0.17 mV	
		100 mV	0.16 mV	
		90 mV	0.13 mV	
		60 mV	0.11 mV	
		30 mV	0.048 mV	
		10 mV	0.020 mV	
		3 mV	0.018 mV	
		1 mV	0.013 mV	
Vector voltmeters	40651			Signal Generator/
RF Voltage		3 V	4.2 mV	SICT-CP-40651
		1 V	1.4 mV	
		300 mV	0.36 mV	
		100 mV	0.16 mV	
		30 mV	0.048 mV	
		10 mV	0.046 mV	
		3 mV	0.022 mV	
		1 mV	0.024 mV	
RF Phase		(0 ~ 270)°	0.006°	

406. Radio frequency measurement

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Field strength meters	40652			Signal Generator/
Center frequency		(9 ~ 100) kHz	6.8×10^{-8}	
		0.1 MHz ~ 18 GHz	6.2×10^{-9}	
Scale Fidelity		(0 ~ -50) dB	0.11 dB	
		(-50 ~ -60) dB	0.12 dB	
		(-60 ~ -70) dB	0.13 dB	SICT-CP-40652
		(-70 ~ -100) dB	0.18 dB	
Frequency response		9 kHz ~ 500 MHz	0.05 dB	
		500 MHz ~ 18 GHz	0.08 dB	
AM/FM test sources	40653			Measuring Receiver/
Output frequency		(10 ~ 560) MHz	6.2×10^{-10}	SICT-CP-40653
Dip simulators	40654			Digital Oscilloscope/
DC Voltage		1 V	1.1×10^{-5}	SICT-CP-40654
		(1 ~ 5) V	6.4×10^{-6}	
		(5 ~ 10) V	5.4×10^{-6}	
		(10 ~ 50) V	9.3×10^{-6}	
		(50 ~ 100) V	8.0×10^{-6}	
		(100 ~ 500) V	1.1×10^{-5}	
AC Voltage		(50 ~ 60) Hz		
		50 V	5.0×10^{-5}	
		(50 ~ 100) V	2.5×10^{-5}	
		(100 ~ 500) V	1.6×10^{-4}	
Frequency		50 Hz	8.4×10^{-6}	
		60 Hz	8.3×10^{-6}	
Dip DC Voltage		(0 ~ 50) V		
		0 %	0.2 V	
		(0 ~ 120) %	3.4×10^{-2}	
Dip AC Voltage		(50 Hz ~ 60 Hz, 0 V ~ 400 V)		
		0 %	0.9 V	
		(0 ~ 120) %	3.4×10^{-2}	
Time measurement by section		100 ns ~ 2 μs	1.8×10^{-3}	
		(2 ~ 4) μs	2.0×10^{-3}	
		(4 ~ 400) μs	1.6×10^{-3}	
		(0.4 ~ 2) ms	2.0×10^{-3}	
		2 ms ~ 5 s	1.6×10^{-3}	
Inrush Current		(5 ~ 1 000) A	3.6×10^{-2}	
Phase Shifiting		at 50 Hz		
		(0 ~ 360)°	1.2°	
		at 60 Hz		
		(0 ~ 360)°	1.4°	

407. Field strength & antenna

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Probes	40702			RF Power Meter, Multi Meter/
Electric Field Probe		9 kHz ~ 300 MHz		SICT-CP-40702
		(1 ~ 750) V/m	0.12	
		300 MHz ~ 400 MHz		
		(1 ~ 300) V/m	0.12	
		400 MHz ~ 1 GHz		
		(1 ~ 150) V/m	0.12	
		1 GHz ~ 6 GHz		
		(1 ~ 150) V/m	0.12	
		6 GHz ~ 10 GHz		
		(1 ~ 100) V/m	0.13	
		10 GHz ~ 18 GHz		
		(2 ~ 100) V/m	0.13	
		18 GHz ~ 40 GHz		
		(2 ~ 100) V/m	0.15	
Magnetic Field Probe		10 Hz ~ 1 kHz		
		(0.39 ~ 1 000) A/m	0.07	
		1 kHz ~ 10 kHz		
		(0.39 ~ 600) A/m	0.07	
		10 kHz ~ 30 kHz		
		(2.65 ~ 390) mA/m	0.12	
		(0.39 ~ 100) A/m	0.07	
		30 kHz ~ 150 kHz		
		(2.65 ~ 390) mA/m	0.12	
		(0.39 ~ 20) A/m	0.07	
		150 kHz ~ 200 kHz		
		(2.65 ~ 390) mA/m	0.12	
		(0.39 ~ 10) A/m	0.07	
		200 kHz ~ 300 MHz		
		2.65 mA/m ~ 1.98 A/m	0.12	
		300 MHz ~ 400 MHz		
		2.65 mA/m ~ 0.79 A/m	0.12	
		400 MHz ~ 1 GHz		
		2.65 mA/m ~ 0.39 A/m	0.12	

407. Field strength & antenna

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Dipole antennas	40703			Network analyzer/
(Dipole Antenna)				SICT-CP-40703
Antenna Factor		20 MHz ~ 18 GHz	1.1 dB	ancillary facilities(Chungju)
Voltage Standing Wave Ratio		(1 ~ ∞)		
		20 MHz ~ 1 GHz	0.022	
		1 GHz ~ 18 GHz	0.039	
Antenna Pattern		700 MHz ~ 18 GHz	1.4 dB	
(Biconical Antenna)				
Antenna Factor		20 MHz ~ 18 GHz	1.2 dB	
Voltage Standing Wave Ratio		(1 ~ ∞)		
		20 MHz ~ 1 GHz	0.022	
		1 GHz ~ 18 GHz	0.039	
Antenna Pattern		700 MHz ~ 18 GHz	1.4 dB	
(Log Periodic Antenna)				
Antenna Factor		20 MHz ~ 18 GHz	1.2 dB	
Voltage Standing Wave Ratio		(1 ~ ∞)		
		20 MHz ~ 1 GHz	0.022	
		1 GHz ~ 18 GHz	0.039	
Antenna Pattern		700 MHz ~ 18 GHz	1.4 dB	
Loop antennas	40704			Signal generator1,
Antenna Factor		10 Hz ~ 30 MHz	1.2 dB	Signal analyzer/
				SICT-CP-40704
Monopole antennas	40705			Signal generator1,
Antenna Factor		10 Hz ~ 30 MHz	1.4 dB	Signal analyzer/
				SICT-CP-40705
Horn antennas	40707			Network analyzer/
Antenna Factor		200 MHz ~ 18 GHz	1.1 dB	SICT-CP-40707
		18 GHz ~ 40 GHz	1.4 dB	ancillary facilities(Chungju)
Voltage Standing Wave Ratio		(1 ~ ∞)		
		200 MHz ~ 1 GHz	0.022	
		1 GHz ~ 18 GHz	0.039	
		18 GHz ~ 40 GHz	0.041	
Antenna Pattern		700 MHz ~ 18 GHz	1.4 dB	

501. Contact thermometry

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Temperature generators: ovens,	50101			SPRT,STANDARD TC/
furnaces, isothermal liquid baths,				SICT-CP-50101
ice-point baths, dry-block calibrators				
		0 ℃	0.010 ℃	
		(-196 ~ -95) ℃	0.060 ℃	
		(-95 ~ -90) ℃	0.030 ℃	
		(-90 ~ 250) ℃	0.017 ℃	
		(250 ~ 550) ℃	0.020 ℃	
		(550 ~ 660) ℃	0.060 ℃	
		(660 ~ 1 100) ℃	0.7 ℃	
		(1 100 ~ 1 600) ℃	1.7 ℃	
Temperature indicators/recorders	50102			SPRT,STANDARD TC/
/controllers, temperature calibrators				SICT-CP-50102
(Temperature indicators/recorders/controllers)				
With Sensor		(-196 ~ 500) ℃	0.020 ℃	
		(500 ~ 660) ℃	0.045 ℃	
		(660 ~ 700) ℃	0.59 ℃	
		(700 ~ 900) ℃	0.60 ℃	
		(900 ~ 1 100) ℃	0.61 ℃	
		(1 100 ~ 1 400) ℃	2.0 ℃	
		(1 400 ~ 1 600) ℃	2.1 ℃	
Without Sensor		(-196 ~ 0) ℃	0.010 ℃	
		(0 ~ 100) ℃	0.013 ℃	
		(100 ~ 200) ℃	0.018 ℃	
		(200 ~ 300) ℃	0.022 ℃	
		(300 ~ 400) ℃	0.025 ℃	
		(400 ~ 500) ℃	0.029 ℃	
		(500 ~ 600) ℃	0.033 ℃	
		(600 ~ 700) ℃	0.040 ℃	
		(700 ~ 800) ℃	0.044 ℃	
		(800 ~ 1 300) ℃	0.07 ℃	
		(1 300 ~ 1 600) ℃	0.09 ℃	
(temperature calibrators)				
Output		(-196 ~ 500) ℃	0.005 ℃	
		(500 ~ 600) ℃	0.006 ℃	
		(600 ~ 800) ℃	0.007 ℃	
		(800 ~ 1 300) ℃	0.08 ℃	
		(1 300 ~ 1 600) ℃	0.10 ℃	
Input		(-196 ~ 500) ℃	0.03 ℃	
		(500 ~ 600) ℃	0.04 ℃	
		(600 ~ 800) ℃	0.05 ℃	
		(800 ~ 1 300) ℃	0.07 ℃	
		(1 300 ~ 1 600) ℃	0.09 ℃	
Glass thermometers; liquid-in-glass,	50103			SPRT/
Beckmann				SICT-CP-50103
liquid-in-glass		(-90 ~ -58) ℃	0.15 ℃	
		(-58 ~ 400) ℃	0.04 ℃	
		(400 ~ 500) ℃	0.15 ℃	

501. Contact thermometry

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Resistance thermometers; SPRT, IPRT, thermistors, etc.	50104			SPRT, Fixed point/ SICT-CP-50104
		(-196 ~ 100) ℃	0.019 ℃	
		(100 ~ 300) ℃	0.020 ℃	
		(300 ~ 500) ℃	0.021 ℃	
		(500 ~ 660) ℃	0.044 ℃	
(Fixed point)				
Ar TP		-189.344 2 ℃	0.87 mK	
Hg TP		-38.834 4 ℃	1.1 mK	
H_2O TP		0.01 ℃	0.38 mK	
Ga MP		29.764 6 ℃	1.1 mK	
In FP		156.598 5 ℃	2.2 mK	
Sn FP		231.928 ℃	2.2 mK	
Zn FP		419.527 ℃	2.3 mK	
Al FP		660.323 ℃	2.7 mK	
Ag FP		961.78 ℃	16 mK	
Thermal expansion thermometers; bimetal, gas or liquid type	50105			SPRT/ SICT-CP-50105
bimetal		(-196 ~ -70) ℃	0.6 ℃	
		(-70 ~ 100) ℃	0.2 ℃	
		(100 ~ 200) ℃	0.3 ℃	
		(200 ~ 500) ℃	0.6 ℃	
		(500 ~ 650) ℃	1.2 ℃	
Thermomecouples: noble metal, base metal, pure metal, special type, etc.	50106			SPRT,Fixed point, STANDARD TC/ SICT-CP-50106
Base metal		(0 ~ 1 100) ℃	0.5 ℃	
		(1 100 ~ 1 300) ℃	1.7 ℃	
		(1 300 ~ 1 600) ℃	1.8 ℃	
Noble metal		(-196 ~ -90) ℃	0.4 ℃	
		(-90 ~ 300) ℃	0.2 ℃	
		(300 ~ 500) ℃	0.3 ℃	
		(500 ~ 660) ℃	0.4 ℃	
		(660 ~ 900) ℃	1.1 ℃	
		(900 ~ 1 100) ℃	1.4 ℃	
		(1 100 ~ 1 300) ℃	1.8 ℃	
(Fixed point)				
H_2O ICE Point		0.00 ℃	0.2 ℃	
Sn FP		231.928 ℃	0.2 ℃	
Zn FP		419.527 ℃	0.2 ℃	
Al FP		660.323 ℃	0.2 ℃	
Ag FP		961.78 ℃	0.3 ℃	
Cu FP		1 084.62 ℃	0.3 ℃	
Co-C MP		1 324 ℃	1.1 ℃	
Fe MP		1 534 ℃	1.6 ℃	

501. Contact thermometry

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Temperature transducers	50107			SPRT,THERMOCOUPLE,MULTIMETER
		(-196 ~ 400) ℃	0.031 ℃	SICT-CP-50107
		(400 ~ 500) ℃	0.043 ℃	
		(500 ~ 660) ℃	0.072 ℃	
		(660 ~ 800) ℃	0.6 ℃	
		(800 ~ 1 100) ℃	0.7 ℃	
		(1 100 ~ 1 300) ℃	2.1 ℃	
		(1 300 ~ 1 600) ℃	2.2 ℃	
Primary fixed-point cells and apparatus	50108			Triple-Point Cell
H_2O TP		0.01 ℃	0.24 mK	SICT-CP-50108

502. non contact thermometry

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Optical pyrometers	50203	(900 ~ 1 800) ℃	5 ℃	Standard Lamp/ SICT-CP-50203
Standard radiation thermometers	50204	(-40 ~ -20) ℃	0.9 ℃	Transfer Standard Pyrometer/ SICT-CP-50204
		(-20 ~ 0) ℃	0.7 ℃	
		(0 ~ 10) ℃	0.4 ℃	
		(10 ~ 50) ℃	0.3 ℃	
		(50 ~ 100) ℃	0.4 ℃	
		(100 ~ 200) ℃	0.5 ℃	
		(200 ~ 300) ℃	0.7 ℃	
		(300 ~ 400) ℃	0.8 ℃	
		(400 ~ 500) ℃	1.0 ℃	
		(500 ~ 600) ℃	1.1 ℃	
		(600 ~ 700) ℃	1.3 ℃	
		(700 ~ 800) ℃	1.6 ℃	
		(800 ~ 900) ℃	1.7 ℃	
		(900 ~ 1 200) ℃	1.8 ℃	
		(1 200 ~ 1 400) ℃	1.9 ℃	
		(1 400 ~ 1 500) ℃	2.0 ℃	
		(1 500 ~ 1 600) ℃	2.1 ℃	
		(1 600 ~ 1 800) ℃	2.5 ℃	
		(1 800 ~ 2 000) ℃	2.6 ℃	
		(2 000 ~ 2 100) ℃	4.2 ℃	
		(2 100 ~ 2 200) ℃	4.4 ℃	
		(2 200 ~ 2 300) ℃	4.6 ℃	
		(2 300 ~ 2 400) ℃	4.7 ℃	
Thermal image apparatus	50205	(-40 ~ -20) ℃	0.9 ℃	Transfer Standard Pyrometer/ SICT-CP-50205
		(-20 ~ 0) ℃	0.7 ℃	
		(0 ~ 10) ℃	0.4 ℃	
		(10 ~ 50) ℃	0.3 ℃	
		(50 ~ 100) ℃	0.4 ℃	
		(100 ~ 200) ℃	0.5 ℃	
		(200 ~ 300) ℃	0.7 ℃	
		(300 ~ 400) ℃	0.8 ℃	
		(400 ~ 500) ℃	1.0 ℃	
		(500 ~ 600) ℃	1.1 ℃	
		(600 ~ 700) ℃	1.3 ℃	
		(700 ~ 800) ℃	1.6 ℃	
		(800 ~ 900) ℃	1.7 ℃	
		(900 ~ 1 200) ℃	1.8 ℃	SICT-CP-50205
		(1 200 ~ 1 400) ℃	1.9 ℃	
		(1 400 ~ 1 500) ℃	2.0 ℃	
		(1 500 ~ 1 600) ℃	2.1 ℃	
		(1 600 ~ 1 800) ℃	2.5 ℃	
		(1 800 ~ 2 000) ℃	2.6 ℃	
		(2 000 ~ 2 100) ℃	4.2 ℃	
		(2 100 ~ 2 200) ℃	4.4 ℃	
		(2 200 ~ 2 300) ℃	4.6 ℃	
		(2 300 ~ 2 400) ℃	4.7 ℃	

502. non contact thermometry

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Blackbody furnaces	50206			Transfer Standard Pyrometer/
		(-40 ~ 0) ℃	0.6 ℃	SICT-CP-50206
		(0 ~ 10) ℃	0.4 ℃	
		(10 ~ 50) ℃	0.3 ℃	
		(50 ~ 100) ℃	0.4 ℃	
		(100 ~ 200) ℃	0.5 ℃	
		(200 ~ 300) ℃	0.7 ℃	
		(300 ~ 400) ℃	0.8 ℃	
		(400 ~ 500) ℃	0.9 ℃	
		(500 ~ 600) ℃	1.0 ℃	
		(600 ~ 700) ℃	1.1 ℃	
		(700 ~ 1 100) ℃	1.4 ℃	
		(1 100 ~ 1 300) ℃	1.5 ℃	
		(1 300 ~ 1 500) ℃	1.6 ℃	
		(1 500 ~ 1 700) ℃	1.8 ℃	
		(1 700 ~ 1 800) ℃	1.9 ℃	
		(1 800 ~ 1 900) ℃	2.0 ℃	
		(1 900 ~ 2 000) ℃	2.1 ℃	
		(2 000 ~ 2 100) ℃	3.7 ℃	
		(2 100 ~ 2 200) ℃	3.9 ℃	
		(2 200 ~ 2 300) ℃	4.1 ℃	
		(2 300 ~ 2 400) ℃	4.3 ℃	
Others; ear thermometers, etc.	50207			Standard prt/
		(30 ~ 45) ℃	0.07 ℃	SICT-CP-50207

503. Humidity

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Dew-point hygrometers; chilled mirror,	50301			Dewpoint Meter/
alumina thin film, etc.				SICT-CP-50301
		(-90 ~ -80) ℃ D.P.	0.60 ℃ D.P.	
		(-80 ~ -70) ℃ D.P.	0.32 ℃ D.P.	
		(-70 ~ -50) ℃ D.P.	0.20 ℃ D.P.	
		(-50 ~ -20) ℃ D.P.	0.19 ℃ D.P.	
		(-20 ~ 90) ℃ D.P.	0.13 ℃ D.P.	
		(90 ~ 95) ℃ D.P.	0.15 ℃ D.P.	
Relative humidity hygrometers;	50302			Dewpoint Meter/
polimer thin film, hair, etc.				SICT-CP-50302
humidity		(3 ~ 60) % R.H.	1.3 % R.H.	
		(60 ~ 90) % R.H.	1.4 % R.H.	
		(90 ~ 98) % R.H.	1.5 % R.H.	
Temperature		(-80 ~ 0) ℃	0.6 ℃	
		(0 ~ 80) ℃	0.3 ℃	
		(80 ~ 100) ℃	0.5 ℃	
		(100 ~ 180) ℃	1.5 ℃	
Psychrometers; Assmann ventilated,	50303			Dewpoint Meter/
PRT type, etc.				SICT-CP-50303
assmann ventilated				
(humidity)		(10 ~ 50) % R.H.	1.3 % R.H.	
		(50 ~ 70) % R.H.	1.4 % R.H.	
		(70 ~ 90) % R.H.	1.5 % R.H.	
		(90 ~ 95) % R.H.	1.6 % R.H.	
(Temperature)		(0 ~ 50) ℃	0.3 ℃	
PRT type				
(humidity)		(10 ~ 50) % R.H.	1.3 % R.H.	
		(50 ~ 80) % R.H.	1.4 % R.H.	
		(80 ~ 98) % R.H.	1.5 % R.H.	
(Temperature)		(0 ~ 80) ℃	0.3 ℃	
		(80 ~ 100) ℃	0.5 ℃	
Temperature humidity recorders;	50304			Dewpoint Meter/
hygrothermograph, etc.				SICT-CP-50304
Humidity		(5 ~ 70) % R.H.	2.1 % R.H.	
		(70 ~ 95) % R.H.	2.2 % R.H.	
Temperature		(-20 ~ 80) ℃	0.7 ℃	

503. Humidity

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Transducers; dew-point /relative humidity	50305			Dewpoint Meter/ SICT-CP-50305
(Dew-point Transducers)				
Dew point		(-90 ~ -80) ℃ D.P.	0.60 ℃ D.P.	
		(-80 ~ -70) ℃ D.P.	0.33 ℃ D.P.	
		(-70 ~ -60) ℃ D.P.	0.22 ℃ D.P.	
		(-60 ~ -40) ℃ D.P.	0.21 ℃ D.P.	
		(-40 ~ -20) ℃ D.P.	0.20 ℃ D.P.	
		(-20 ~ 0) ℃ D.P.	0.15 ℃ D.P.	
		(0 ~ 50) ℃ D.P.	0.14 ℃ D.P.	
		(50 ~ 90) ℃ D.P.	0.15 ℃ D.P.	
		(90 ~ 95) ℃ D.P.	0.17 ℃ D.P.	
(Relative humidity Transducers)				
Humidity		(3 ~ 50) % R.H.	1.3 % R.H.	
		(50 ~ 80) % R.H.	1.4 % R.H.	
		(80 ~ 98) % R.H.	1.5 % R.H.	
Temperature		(-80 ~ 0) ℃	0.7 ℃	
		(0 ~ 80) ℃	0.3 ℃	
		(80 ~ 100) ℃	0.5 ℃	
		(100 ~ 180) ℃	1.5 ℃	
Humidity generators; two-pressure, two-temperature, flow mixing humidity gererator, constant temperature and humidity chamber, etc.	50306			Dewpoint Meter/ SICT-CP-50306
Dew point		(-90 ~ -80) ℃ D.P.	0.60 ℃ D.P.	
		(-80 ~ -70) ℃ D.P.	0.32 ℃ D.P.	
		(-70 ~ -50) ℃ D.P.	0.19 ℃ D.P.	
		(-50 ~ -30) ℃ D.P.	0.17 ℃ D.P.	
		(-30 ~ -10) ℃ D.P.	0.16 ℃ D.P.	
		(-10 ~ 60) ℃ D.P.	0.13 ℃ D.P.	
		(60 ~ 80) ℃ D.P.	0.14 ℃ D.P.	
		(80 ~ 95) ℃ D.P.	0.15 ℃ D.P.	
Humidity		(3 ~ 20 % R.H.	1.8 % R.H.	
		(20 ~ 30) % R.H.	1.7 % R.H.	
		(30 ~ 40) % R.H.	1.4 % R.H.	
		(40 ~ 50) % R.H.	1.5 % R.H.	
		(50 ~ 70) % R.H.	1.6 % R.H.	
		(70 ~ 90) % R.H.	1.8 % R.H.	
		(90 ~ 98) % R.H.	1.9 % R.H.	
Temperature		(-90 ~ 50) ℃	0.4 ℃	
		(50 ~ 100) ℃	0.5 ℃	
		(100 ~ 200) ℃	0.6 ℃	

504. Moisture

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Cereal moisture meters Moisture	50401	(9 ~ 20) % M.C.	0.7 % M.C.	Balance/ SICT-CP-50401
Wood moisture meters Moisture	50402	(8 ~ 25) % M.C.	2.5 % M.C.	Balance/ SICT-CP-50402
Paper moisture meters Moisture	50403	(8 ~ 20) % M.C.	3.4 % M.C.	Balance/ SICT-CP-50403

601. Sound in air

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Sound calibrators	60102			Reference microphone/
Pistonphones		(200 ~ 300) Hz	0.08 dB	SICT-CP-60102
Sound Pressure Level Calibrators		(200 ~ 300) Hz	0.08 dB	
		(900 ~ 1 100) Hz	0.08 dB	
Multifunction Acoustic Calibrators		(28 ~ 35) Hz	0.12 dB	
		(35 ~ 90) Hz	0.09 dB	
		(90 ~ 4 500) Hz	0.08 dB	
		(4 500 ~ 9 000) Hz	0.09 dB	
		(9 000~ 14 000) Hz	0.13 dB	
		(14 000~ 17 000) Hz	0.21 dB	
Microphones	60104			Reference microphone/
		20 Hz	0.15 dB	SICT-CP-60104
		(20 ~ 25) Hz	0.13 dB	
		(25 ~ 31.5) Hz	0.12 dB	
		(31.5 ~ 50) Hz	0.10 dB	
		(50 ~ 63) Hz	0.09 dB	
		(63 ~ 8 000) Hz	0.08 dB	
		(8 000 ~ 10 000) Hz	0.09 dB	
		(10 000 ~ 12 500) Hz	0.10 dB	
		(12 500 ~ 16 000) Hz	0.12 dB	
		(16 000 ~ 20 000) Hz	0.16 dB	
Sound level meters	60106			Reference microphone/
		20 Hz	0.5 dB	SICT-CP-60106
		(20 ~ 50) Hz	0.4 dB	
		(50 ~ 160) Hz	0.3 dB	
		(160 ~ 2 000) Hz	0.2 dB	
		(2 000 ~ 8 000) Hz	0.3 dB	
		(8 000 ~ 16 000) Hz	0.4 dB	
		(16 000 ~ 20 000) Hz	0.5 dB	

603. Vibration

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Vibration calibrators	60301			Reference Accelerometer/
		(10 ~ 5 000) Hz	1.6×10^{-2}	SICT-CP-60301
Vibration transducers	60302			Reference Accelerometer/
Vibration transducers sensitivity		(0.2 ~ 0.3) Hz	1.3×10^{-2}	SICT-CP-60302
		(0.3 ~ 20) Hz	1.2×10^{-2}	
		(20 ~ 2 500) Hz	1.0×10^{-2}	
		(2 500 ~ 5 000) Hz	1.5×10^{-2}	
		(5 000 ~ 10 000) Hz	1.7×10^{-2}	
		(10 000 ~ 15 000) Hz	2.2×10^{-2}	
		(15 000 ~ 20 000) Hz	3.2×10^{-2}	
Shock transducers sensitivity		Pulse duration : (5 ~ 30) ms		
		(5 ~ 200) m/s^2	1.2×10^{-2}	
		Pulse duration : (0.1 ~ 5) ms		
		(200 ~ 2 000) m/s^2	1.0×10^{-2}	
		(2 000 ~ 20 000) m/s^2	1.9×10^{-2}	
		(20 000 ~ 100 000) m/s^2	3.3×10^{-2}	
Vibration measuring instruments	60303			Reference Accelerometer/
(Vibration measuring instruments)				SICT-CP-60303
Acceleration		(10 ~ 20) Hz	1.5×10^{-2}	
		(20 ~ 1 250) Hz	1.4×10^{-2}	
		(1 250 ~ 5 000) Hz	1.5×10^{-2}	
Velocity		(10 ~ 20) Hz	1.5×10^{-2}	
		(20 ~ 1 000) Hz	1.4×10^{-2}	
		(1 000 ~ 2 500) Hz	1.5×10^{-2}	
Displacement		(10 ~ 160) Hz	1.3×10^{-2}	
		(160 ~ 315) Hz	2.0×10^{-2}	
		(315 ~ 630) Hz	5.9×10^{-2}	
(Shock measuring instruments, recorders, etc.)				
Shock acceleration		Pulse duration : (2.7 ~ 30) ms		
		(5 ~ 10) m/s^2	2.3×10^{-2}	
		(10 ~ 1 000) m/s^2	1.7×10^{-2}	
		Pulse duration : (0.5 ~ 2.7) ms		
		(1 000 ~ 4 000) m/s^2	2.5×10^{-2}	

701. Photometry

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Illuminance meters Iluminance	70101	(0.5 ~ 20 000) lx	1.7×10^{-2}	Illuminance Meters/ SICT-CP-70101
Luminance meters Luminance	70102	1 cd/m^2 (1 ~ 10) cd/m^2 (10 ~ 3 000) cd/m^2 (3 000 ~ 15 000) cd/m^2	2.1×10^{-2} 1.7×10^{-2} 1.4×10^{-2} 1.6×10^{-2}	Luminance Standard Sources/ SICT-CP-70102
Total luminous flux meters Total luminous flux	70103	70 lm (70 ~ 4 650) lm	3.2×10^{-2} 1.5×10^{-2}	Total Luminous Flux Standard Lamps/ SICT-CP-70103
Luminous intensity meters Luminance	70104	(72 ~ 3 200) cd	3.7×10^{-2}	Luminous Intensity Standard Lamps, Illuminance Meters / SICT-CP-70104

702. Property of detectors & sources

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Color temperature meters	70202			Color Tmperature Standard Lamps/
Color temperature		(2 677 ~ 3 333) K	25 K	SICT-CP-70202
Chromaticity		x	0.004	
		y	0.004	
Color temperature standard lamps	70203			Spectroradiometers/
Color temperature		(2 677 ~ 3 333) K	27 K	SICT-CP-70203
Chromaticity		x	0.005	
		y	0.005	
Colorimeters; source color	70204			Luminance Standard Sources/
Luminance		1 cd/m^2	2.1×10^{-2}	SICT-CP-70204
		(1 ~ 10) cd/m^2	1.7×10^{-2}	
		(10 ~ 3 000) cd/m^2	1.4×10^{-2}	
		(3 000 ~ 15 000) cd/m^2	1.6×10^{-2}	
Chromaticity		(WHITE)		
		x	0.004	
		y	0.004	
		(RED)		
		x	0.004	
		y	0.004	
		(GREEN)		
		x	0.004	
		y	0.004	
		(BLUE)		
		x	0.004	
		y	0.004	
		(CIE Standard Illuminant A)		
		x	0.003	
		y	0.003	
Laser power meters	70207			Optical Power Meters/
		(405 nm)		SICT-CP-70207
		(0.75 ~ 9) mW	1.2×10^{-2}	
		(660 nm)		
		(0.7 ~ 47) mW	1.2×10^{-2}	
		(785 nm)		
		(0.7 ~ 46) mW	1.2×10^{-2}	
		(1 080 nm)		
		(1 ~ 40) W	3.3×10^{-2}	
Standard LED light sources	70208			Toral Spectral Radiant Flux Meters/
Total luminous flux		(68.4 ~ 72.6) lm	3.8×10^{-2}	SICT-CP-70208
Total luminous flux standard lamps	70209			Total Luminous Flux Standard Lamps/
Total luminous flux		(320 ~ 10 000) lm	4.7×10^{-2}	SICT-CP-70209

702. Property of detectors & sources

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Optical detectors	70210			Photodiodes/
Relative spectral responsivity		(0 ~ 1)		SICT-CP-70210
		300 nm	8.1×10^{-2}	
		(300 ~ 305) nm	7.0×10^{-2}	
		(305 ~ 310) nm	6.1×10^{-2}	
		(310 ~ 320) nm	5.2×10^{-2}	
		(320 ~ 370) nm	3.9×10^{-2}	
		(370 ~ 440) nm	3.0×10^{-2}	
		(440 ~ 525) nm	1.4×10^{-2}	
		(525 ~ 630) nm	1.0×10^{-2}	
		(630 ~ 955) nm	1.2×10^{-2}	
		(955 ~ 990) nm	2.9×10^{-2}	
		(990 ~ 1 100) nm	4.0×10^{-2}	
Pyranometers and pyrheliometers	70211			Standard pyranometers/
Irradiance responsivity		(250 ~ 2 500) nm		SICT-CP-70211
		(1 000 ± 150)W/m^2	2.9×10^{-2}	
Display color analyzers; luminance,	70213			Luminance Meters/
chromaticity, white balance, etc.				SICT-CP-70213
Luminance		1 cd/m^2	3.8×10^{-2}	
		(1 ~ 5) cd/m^2	1.8×10^{-2}	
		(5 ~ 200) cd/m^2	1.7×10^{-2}	
Chromaticity		(WHITE)		
		x	0.004 4	
		y	0.006 1	
		(RED)		
		x	0.003 6	
		y	0.003 3	
		(GREEN)		
		x	0.003 5	
		y	0.004 2	
		(BLUE)		
		x	0.003 5	
		y	0.003 2	
Luminous intensity standard lamps	70214			Spectroradiometers/
Luminous intensity		(10 ~ 20 000) cd	4.0×10^{-2}	SICT-CP-70214
Spectral irradiance standard lamps	70215			Spectral Irradiance Standard
Illuminance		(792 ~ 7 105) lx	2.8×10^{-2}	Lamps/
				SICT-CP-70215
Spectral irradiance		(Deuterium arc lamp)		
		200 nm	5.4×10^{-2}	
		(200 ~ 205) nm	5.3×10^{-2}	
		(205 ~ 400) nm	4.9×10^{-2}	
		(Tungsten halogen lamp)		
		250 nm	5.5×10^{-2}	
		(250 ~ 270) nm	5.2×10^{-2}	
		(270 ~ 295) nm	5.0×10^{-2}	
		(295 ~ 375) nm	4.4×10^{-2}	
		(375 ~ 2 295) nm	3.8×10^{-2}	
		(2 295 ~ 2 345) nm	4.0×10^{-2}	
		(2 345 ~ 2 400) nm	4.6×10^{-2}	

702. Property of detectors & sources

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Total spectral radiant flux standard lamps	70216			Total Spectral Radiant Flux Standard Lamps/
Total spectral radiant flux		350 nm	6.7×10^{-2}	SICT-CP-70216
		(350 ~ 365) nm	6.3×10^{-2}	
		(365 ~ 380) nm	5.8×10^{-2}	
		(380 ~ 400) nm	4.2×10^{-2}	
		(400 ~ 455) nm	3.9×10^{-2}	
		(455 ~ 850) nm	3.6×10^{-2}	
Luminance standard sources	70217			Luminance Standard Sources/
Luminance		1 cd/m^2	2.2×10^{-2}	SICT-CP-70217
		(1 ~ 10) cd/m^2	1.8×10^{-2}	
		(10 ~ 3 000) cd/m^2	1.5×10^{-2}	
		(3 000 ~ 15 000) cd/m^2	1.8×10^{-2}	
Chromaticity		(WHITE)		
		x	0.005	
		y	0.005	
		(RED)		
		x	0.005	
		y	0.005	
		(GREEN)		
		x	0.005	
		y	0.005	
		(BLUE)		
		x	0.005	
		y	0.005	
		(CIE Standard Illuminant A)		
		x	0.004	
		y	0.004	
Spectral radiance standard sources	70218			Spectral Radiance Standard
Spectral radiance		300 nm	2.0×10^{-1}	Sources/
		(300 ~ 305) nm	1.7×10^{-1}	SICT-CP-70218
		(305 ~ 310) nm	1.2×10^{-1}	
		(310 ~ 315) nm	8.9×10^{-2}	
		(315 ~ 320) nm	7.4×10^{-2}	
		(320 ~ 330) nm	4.8×10^{-2}	
		(330 ~ 340) nm	4.1×10^{-2}	
		(340 ~ 425) nm	3.5×10^{-2}	
		(425 ~ 470) nm	3.0×10^{-2}	
		(470 ~ 1 050) nm	2.8×10^{-2}	
		(1 050 ~ 1 600) nm	3.0×10^{-2}	
UV irradiance meters	70219			UV Meter Standard Detectors/
Irradiance		(254 nm)		SICT-CP-70219
(UV Meter)		50 μW/cm^2 ~ 3 mW/cm^2	3.7×10^{-2}	
		(365 nm)		
		10 μW/cm^2 ~ 230 mW/cm^2	3.8×10^{-2}	
		(405 nm)		
		10 μW/cm^2 ~ 230 mW/cm^2	3.8×10^{-2}	

702. Property of detectors & sources

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Spectral irradiance meters	70220			Spectral Irradiance Standard
Wavelength		(250 ~ 2 030) nm	0.3 nm	Lamps/
				SICT-CP-70220
Illuminance		(813 ~ 6 879) lx	2.1×10^{-2}	
Spectral Irradiance		200 nm	4.9×10^{-2}	
		(200 ~ 245) nm	4.8×10^{-2}	
		(245 ~ 345) nm	4.4×10^{-2}	
		(345 ~ 375) nm	3.8×10^{-2}	
		(375 ~ 895) nm	3.4×10^{-2}	
		(895 ~ 1 050) nm	3.0×10^{-2}	
		(1 050 ~ 2 295) nm	3.4×10^{-2}	
		(2 295 ~ 2 345) nm	3.7×10^{-2}	
		(2 345 ~ 2 400) nm	4.3×10^{-2}	
Total spectral radiant flux meters	70221			Total Spectral Radiant Flux Standard Lamps/
Wavelength		(350 ~ 850) nm	0.25 nm	SICT-CP-70221
Total spectral radiant flux		350 nm	2.0×10^{-2}	
		(350 ~ 365) nm	1.8×10^{-2}	
		(365 ~ 375) nm	1.7×10^{-2}	
		(375 ~ 390) nm	1.6×10^{-2}	
		(390 ~ 445) nm	1.5×10^{-2}	
		(445 ~ 850) nm	1.4×10^{-2}	
Spectral radiance meters	70222			Spectral Radiance Standard Sources/
Wavelength		(350 ~ 1 694) nm	0.25 nm	SICT-CP-70222
Spectral radiance		300 nm	2.0×10^{-1}	
		(300 ~ 305) nm	1.7×10^{-1}	
		(305 ~ 310) nm	1.2×10^{-1}	
		(310 ~ 315) nm	8.8×10^{-2}	
		(315 ~ 320) nm	7.2×10^{-2}	
		(320 ~ 325) nm	5.5×10^{-2}	
		(325 ~ 335) nm	4.6×10^{-2}	
		(335 ~ 345) nm	3.7×10^{-2}	
		(345 ~ 405) nm	3.5×10^{-2}	
		(405 ~ 455) nm	3.0×10^{-2}	
		(455 ~ 755) nm	2.6×10^{-2}	
		(755 ~ 1 400) nm	2.7×10^{-2}	
		(1 400 ~ 1 525) nm	3.0×10^{-2}	
		(1 525 ~ 1 600) nm	2.8×10^{-2}	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Colorimeters; material color	70301			Color Standard Tiles/ SICT-CP-70301
Included Reflectance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. White		X	1.0×10^{-2}	
		Y	1.0×10^{-2}	
		Z	1.0×10^{-2}	
2. I,Gray		X	1.0×10^{-2}	
		Y	1.0×10^{-2}	
		Z	1.0×10^{-2}	
3. m,Gray		X	1.0×10^{-2}	
		Y	1.0×10^{-2}	
		Z	1.0×10^{-2}	
4. d,Gray		X	1.1×10^{-2}	
		Y	1.0×10^{-2}	
		Z	1.0×10^{-2}	
5. Red		X	1.1×10^{-2}	
		Y	1.2×10^{-2}	
		Z	1.8×10^{-2}	
6. Yellow		X	1.0×10^{-2}	
		Y	1.0×10^{-2}	
		Z	1.6×10^{-2}	
7. Green		X	1.0×10^{-2}	
		Y	1.0×10^{-2}	
		Z	1.1×10^{-2}	
8. Cyan		X	1.0×10^{-2}	
		Y	1.0×10^{-2}	
		Z	1.0×10^{-2}	
Included Reflectance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. White		L^*	0.36	
		a^*	0.09	
		b^*	0.07	
2. I,Gray		L^*	0.32	
		a^*	0.08	
		b^*	0.07	
3. m,Gray		L^*	0.24	
		a^*	0.06	
		b^*	0.06	
4. d,Gray		L^*	0.17	
		a^*	0.04	
		b^*	0.04	
5. Red		L^*	0.25	
		a^*	0.27	
		b^*	0.26	
6. Yellow		L^*	0.34	
		a^*	0.17	
		b^*	0.43	
7. Green		L^*	0.24	
		a^*	0.13	
		b^*	0.12	
8. Cyan		L^*	0.24	
		a^*	0.14	
		b^*	0.15	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Colorimeters; material color	70301			Color Standard Tiles/ SICT-CP-70301
Included Reflectance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. White		x	1.3×10^{-3}	
		y	1.3×10^{-3}	
2. I,Gray		x	1.3×10^{-3}	
		y	1.3×10^{-3}	
3. m,Gray		x	1.4×10^{-3}	
		y	1.3×10^{-3}	
4. d,Gray		x	1.4×10^{-3}	
		y	1.3×10^{-3}	
5. Red		x	2.7×10^{-3}	
		y	1.3×10^{-3}	
6. Yellow		x	1.2×10^{-3}	
		y	1.3×10^{-3}	
7. Green		x	1.4×10^{-3}	
		y	1.0×10^{-3}	
8. Cyan		x	2.0×10^{-3}	
		y	1.7×10^{-3}	
Exclude Reflectance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. White		X	1.0×10^{-2}	
		Y	1.0×10^{-2}	
		Z	1.0×10^{-2}	
2. I,Gray		X	1.0×10^{-2}	
		Y	1.0×10^{-2}	
		Z	1.0×10^{-2}	
3. m,Gray		X	1.0×10^{-2}	
		Y	1.0×10^{-2}	
		Z	1.0×10^{-2}	
4. d,Gray		X	1.1×10^{-2}	
		Y	1.0×10^{-2}	
		Z	1.4×10^{-2}	
5. Red		X	1.2×10^{-2}	
		Y	1.3×10^{-2}	
		Z	3.1×10^{-2}	
6. Yellow		X	1.0×10^{-2}	
		Y	1.0×10^{-2}	
		Z	2.3×10^{-2}	
7. Green		X	1.0×10^{-2}	
		Y	1.0×10^{-2}	
		Z	1.2×10^{-2}	
8. Cyan		X	1.0×10^{-2}	
		Y	1.0×10^{-2}	
		Z	1.0×10^{-2}	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Colorimeters; material color	70301			Color Standard Tiles/ SICT-CP-70301
Exclude Reflectance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. White		L^*	0.36	
		a^*	0.09	
		b^*	0.07	
2. I,Gray		L^*	0.31	
		a^*	0.08	
		b^*	0.07	
3. m,Gray		L^*	0.23	
		a^*	0.06	
		b^*	0.05	
4. d,Gray		L^*	0.15	
		a^*	0.04	
		b^*	0.04	
5. Red		L^*	0.25	
		a^*	0.32	
		b^*	0.66	
6. Yellow		L^*	0.33	
		a^*	0.18	
		b^*	0.58	
7. Green		L^*	0.23	
		a^*	0.14	
		b^*	0.14	
8. Cyan		L^*	0.23	
		a^*	0.16	
		b^*	0.16	
Exclude Reflectance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. White		x	1.3×10^{-3}	
		y	1.3×10^{-3}	
2. I,Gray		x	1.3×10^{-3}	
		y	1.3×10^{-3}	
3. m,Gray		x	1.4×10^{-3}	
		y	1.3×10^{-3}	
4. d,Gray		x	1.3×10^{-3}	
		y	1.3×10^{-3}	
5. Red		x	5.3×10^{-3}	
		y	1.3×10^{-3}	
6. Yellow		x	1.3×10^{-3}	
		y	1.5×10^{-3}	
7. Green		x	1.5×10^{-3}	
		y	1.0×10^{-3}	
8. Cyan		x	2.1×10^{-3}	
		y	1.8×10^{-3}	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Colorimeters; material color	70301			Color Standard Tiles/ SICT-CP-70301
Transmittance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. E-LA200		X	4.0×10^{-3}	
		Y	4.0×10^{-3}	
		Z	9.0×10^{-3}	
2. G533		X	7.0×10^{-3}	
		Y	5.0×10^{-3}	
		Z	1.3×10^{-2}	
3. B460		X	5.0×10^{-3}	
		Y	4.0×10^{-3}	
		Z	3.0×10^{-3}	
4. ND 25		X	3.0×10^{-3}	
		Y	3.0×10^{-3}	
		Z	5.0×10^{-3}	
5. ND 40		X	3.0×10^{-3}	
		Y	3.0×10^{-3}	
		Z	3.0×10^{-3}	
6. ND 50		X	3.0×10^{-3}	
		Y	3.0×10^{-3}	
		Z	3.0×10^{-3}	
7. ND 70		X	3.0×10^{-3}	
		Y	2.0×10^{-3}	
		Z	3.0×10^{-3}	
Transmittance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. E-LA200		L^*	0.11	
		a^*	0.09	
		b^*	0.22	
2. G533		L^*	0.14	
		a^*	0.12	
		b^*	0.19	
3. B460		L^*	0.12	
		a^*	0.08	
		b^*	0.16	
4. ND 25		L^*	0.07	
		a^*	0.04	
		b^*	0.06	
5. ND 40		L^*	0.07	
		a^*	0.04	
		b^*	0.05	
6. ND 50		L^*	0.08	
		a^*	0.05	
		b^*	0.05	
7. ND 70		L^*	0.09	
		a^*	0.05	
		b^*	0.05	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Colorimeters; material color	70301			Color Standard Tiles/ SICT-CP-70301
Transmittance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. E-LA200		x	1.0×10^{-3}	
		y	1.0×10^{-3}	
2. G533		x	1.4×10^{-3}	
		y	1.6×10^{-3}	
3. B460		x	2.0×10^{-3}	
		y	1.6×10^{-3}	
4. ND 25		x	1.3×10^{-3}	
		y	1.2×10^{-3}	
5. ND 40		x	1.3×10^{-3}	
		y	1.3×10^{-3}	
6. ND 50		x	1.3×10^{-3}	
		y	1.3×10^{-3}	
7. ND 70		x	1.3×10^{-3}	
		y	1.3×10^{-3}	
Color standard tiles	70304			Color Standard Tiles/ SICT-CP-70304
Included Reflectance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. White		X	0.95	
		Y	0.86	
		Z	0.99	
2. I,Gray		X	0.66	
		Y	0.60	
		Z	0.70	
3. m,Gray		X	0.29	
		Y	0.26	
		Z	0.31	
4. d,Gray		X	0.11	
		Y	0.10	
		Z	0.11	
5. Red		X	0.36	
		Y	0.22	
		Z	0.14	
6. Yellow		X	0.78	
		Y	0.68	
		Z	0.21	
7. Green		X	0.19	
		Y	0.23	
		Z	0.20	
8. Cyan		X	0.20	
		Y	0.24	
		Z	0.49	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Color standard tiles	70304			Color Standard Tiles/ SICT-CP-70304
Included Reflectance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. White		L^*	0.37	
		a^*	0.09	
		b^*	0.07	
2. I,Gray		L^*	0.32	
		a^*	0.08	
		b^*	0.07	
3. m,Gray		L^*	0.24	
		a^*	0.06	
		b^*	0.06	
4. d,Gray		L^*	0.17	
		a^*	0.04	
		b^*	0.04	
5. Red		L^*	0.25	
		a^*	0.27	
		b^*	0.26	
6. Yellow		L^*	0.34	
		a^*	0.17	
		b^*	0.43	
7. Green		L^*	0.24	
		a^*	0.13	
		b^*	0.12	
8. Cyan		L^*	0.24	
		a^*	0.14	
		b^*	0.15	
Included Reflectance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. White		x	0.000 7	
		y	0.000 6	
2. I,Gray		x	0.000 7	
		y	0.000 6	
3. m,Gray		x	0.000 7	
		y	0.000 6	
4. d,Gray		x	0.000 7	
		y	0.000 6	
5. Red		x	0.001 4	
		y	0.000 6	
6. Yellow		x	0.000 7	
		y	0.000 8	
7. Green		x	0.000 6	
		y	0.000 7	
8. Cyan		x	0.000 6	
		y	0.000 6	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Color standard tiles	70304			Color Standard Tiles/ SICT-CP-70304
Exclude Reflectance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. White		X	0.91	
		Y	0.82	
		Z	0.95	
2. I,Gray		X	0.62	
		Y	0.56	
		Z	0.66	
3. m,Gray		X	0.25	
		Y	0.23	
		Z	0.26	
4. d,Gray		X	0.07	
		Y	0.06	
		Z	0.07	
5. Red		X	0.32	
		Y	0.18	
		Z	0.12	
6. Yellow		X	0.74	
		Y	0.64	
		Z	0.19	
7. Green		X	0.15	
		Y	0.20	
		Z	0.16	
8. Cyan		X	0.17	
		Y	0.21	
		Z	0.45	
Exclude Reflectance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. White		L^*	0.36	
		a^*	0.09	
		b^*	0.07	
2. I,Gray		L^*	0.31	
		a^*	0.08	
		b^*	0.07	
3. m,Gray		L^*	0.23	
		a^*	0.06	
		b^*	0.05	
4. d,Gray		L^*	0.15	
		a^*	0.04	
		b^*	0.04	
5. Red		L^*	0.25	
		a^*	0.32	
		b^*	0.66	
6. Yellow		L^*	0.33	
		a^*	0.18	
		b^*	0.58	
7. Green		L^*	0.23	
		a^*	0.14	
		b^*	0.14	
8. Cyan		L^*	0.23	
		a^*	0.16	
		b^*	0.16	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Color standard tiles	70304			Color Standard Tiles/ SICT-CP-70304
Exclude Reflectance Std. Light Source Type A(2°, 10°), C(2°, 10°), D65(2°, 10°)				
1. White		x	0.000 6	
		y	0.000 6	
2. I,Gray		x	0.000 6	
		y	0.000 6	
3. m,Gray		x	0.000 6	
		y	0.000 6	
4. d,Gray		x	0.000 6	
		y	0.000 6	
5. Red		x	0.002 9	
		y	0.000 6	
6. Yellow		x	0.000 8	
		y	0.000 9	
7. Green		x	0.000 6	
		y	0.000 7	
8. Cyan		x	0.000 5	
		y	0.000 5	
Absolute Spectral Reflectance White Plate		360 nm	0.009 4	
(Include, Exclude Reflectance)		(360 ~ 830) nm	0.012	
Gloss meters	70306			Gloss Standard/
Gloss		20 °	8.9×10^{-3}	SICT-CP-70306
		60 °	9.5×10^{-3}	
		85 °	8.0×10^{-3}	
Gloss standard plates	70307			Gloss Meter/
Gloss		20°	9.5×10^{-3}	SICT-CP-70307
		60°	9.8×10^{-3}	
		85°	8.3×10^{-3}	
Haze meters	70308			Haze Standard Plate, Transmittance Standard Plates/
Haze				SICT-CP-70308
		H-1	0.30	
		H-5	0.26	
		H-10	0.4	
		H-20	0.6	
		H-30	0.8	
Transmittance				
		T-30	0.50	
		T-50	0.50	
		T-70	0.50	
		T-90	0.50	
Lens meters	70312			Reference Lens/
Vertex diopter		-25 D ~ 25 D	0.03 D	SICT-CP-70312
Optical densitometers	70315			Density CRM/
Density				SICT-CP-70315
		1 Step ~ 10 Step	0.03	
		11 Step	0.06	
		11 Step ~ 15 Step	0.11	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Reflectance meters	70319			Absolute Spectral Reflectance White Standard Plates/
Reflectance		380 nm ~ 780 nm	1.1×10^{-2}	SICT-CP-70319
Refractometers	70321			Reference Refracto CRM/
Refracto		(1.332 99 ~ 1.505 80) nD	0.000 04 nD	SICT-CP-70321
		1.51 nD	0.000 2 nD	
		1.62 nD	0.000 2 nD	
Transmittance meters	70323			Transmittance Filter/
		(0.1)		SICT-CP-70323
		(250 ~ 750) nm	6.1×10^{-3}	
		(0.5)		
		(250 ~ 750) nm	3.8×10^{-3}	
		(0.9)		
		(250 ~ 750) nm	2.2×10^{-3}	
Spectrophotometers including FT-IR spectrophotometers	70325			Wavelength Filters, Transmittance Filters, Absolute Spectral Reflectance White Standard Plates, Wavenumber Filters/ SICT-CP-70325
Wavelength		(240.7 ~ 976.1) nm	0.4 nm	
		(990.2 ~ 2 536.5) nm	0.5 nm	
Transmittance		(Filter NO 10)		
		250 nm	8.7×10^{-3}	
		300 nm	9.2×10^{-3}	
		350 nm	8.2×10^{-3}	
		400 nm	6.6×10^{-3}	
		450 nm	6.8×10^{-3}	
		500 nm	6.5×10^{-3}	
		550 nm	6.6×10^{-3}	
		600 nm	6.8×10^{-3}	
		650 nm	6.4×10^{-3}	
		700 nm	6.7×10^{-3}	
		750 nm	6.6×10^{-3}	
		900 nm	8.0×10^{-3}	
		1 000 nm	8.1×10^{-3}	
		1 200 nm	8.4×10^{-3}	
		1 400 nm	7.7×10^{-3}	
		1 600 nm	8.0×10^{-3}	
		1 800 nm	8.2×10^{-3}	
		2 000 nm	8.1×10^{-3}	
		2 200 nm	8.6×10^{-3}	
		2 400 nm	9.2×10^{-3}	
		2 500 nm	1.7×10^{-2}	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Spectrophotometers including FT-IR spectrophotometers	70325			Wavelength Filters, Transmittance Filters, Absolute Spectral Reflectance White Standard Plates, Wavenumber Filters/ SICT-CP-70325
Transmittance		(Filter NO 30, 40, 50)		
		250 nm	8.3×10^{-3}	
		300 nm	8.2×10^{-3}	
		350 nm	8.0×10^{-3}	
		400 nm	5.5×10^{-3}	
		450 nm	5.6×10^{-3}	
		500 nm	5.7×10^{-3}	
		550 nm	5.6×10^{-3}	
		600 nm	5.6×10^{-3}	
		650 nm	5.5×10^{-3}	
		700 nm	5.4×10^{-3}	
		750 nm	5.5×10^{-3}	
		(Filter NO 30)		
		900 nm	7.7×10^{-3}	
		1 000 nm	7.4×10^{-3}	
		1 200 nm	7.3×10^{-3}	
		1 400 nm	7.3×10^{-3}	
		1 600 nm	7.4×10^{-3}	
		1 800 nm	7.3×10^{-3}	
		2 000 nm	7.3×10^{-3}	
		2 200 nm	8.0×10^{-3}	
		2 400 nm	7.3×10^{-3}	
		2 500 nm	8.9×10^{-3}	
		(Filter NO 90)		
		250 nm	8.0×10^{-3}	
		300 nm	8.0×10^{-3}	
		350 nm	7.8×10^{-3}	
		400 nm	5.4×10^{-3}	
		450 nm	5.3×10^{-3}	
		500 nm	5.4×10^{-3}	
		550 nm	5.4×10^{-3}	
		600 nm	5.4×10^{-3}	
		650 nm	5.4×10^{-3}	
		700 nm	5.4×10^{-3}	
		750 nm	5.4×10^{-3}	
		900 nm	7.3×10^{-3}	
		1 000 nm	7.3×10^{-3}	
		1 200 nm	7.3×10^{-3}	
		1 400 nm	7.3×10^{-3}	
		1 600 nm	7.3×10^{-3}	
		1 800 nm	7.3×10^{-3}	
		2 000 nm	7.3×10^{-3}	
		2 200 nm	7.3×10^{-3}	
		2 400 nm	7.3×10^{-3}	
		2 500 nm	7.8×10^{-3}	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Spectrophotometers including FT-IR spectrophotometers	70325			Wavelength Filters, Transmittance Filters, Absolute Spectral Reflectance White Standard Plates, Wavenumber Filters/ SICT-CP-70325
Transmittance		(Filter NO 1)		
		440 nm	1.4×10^{-2}	
		465 nm	9.1×10^{-3}	
		546 nm	9.4×10^{-3}	
		590 nm	1.1×10^{-2}	
		635 nm	1.0×10^{-2}	
		(Filter NO 3)		
		440 nm	7.9×10^{-3}	
		465 nm	5.8×10^{-3}	
		546 nm	6.1×10^{-3}	
		590 nm	6.3×10^{-3}	
		635 nm	6.2×10^{-3}	
Absorbance		(Filter NO 10)		
		250 nm	0.003 7	
		300 nm	0.003 8	
		350 nm	0.003 5	
		400 nm	0.002 7	
		450 nm	0.002 6	
		500 nm	0.002 5	
		550 nm	0.002 5	
		600 nm	0.002 5	
		650 nm	0.002 8	
		700 nm	0.002 6	
		750 nm	0.002 4	
		900 nm	0.003 3	
		1 000 nm	0.003 3	
		1 200 nm	0.003 3	
		1 400 nm	0.003 3	
		1 600 nm	0.003 2	
		1 800 nm	0.003 3	
		2 000 nm	0.003 3	
		2 200 nm	0.003 4	
		2 400 nm	0.003 7	
		2 500 nm	0.007 2	
		(Filter NO 30, 40, 50)		
		250 nm	0.003 8	
		300 nm	0.003 7	
		350 nm	0.003 6	
		400 nm	0.002 5	
		450 nm	0.002 5	
		500 nm	0.002 6	
		550 nm	0.002 6	
		600 nm	0.002 6	
		650 nm	0.002 5	
		700 nm	0.002 5	
		750 nm	0.002 5	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Spectrophotometers including FT-IR spectrophotometers	70325			Wavelength Filters, Transmittance Filters, Absolute Spectral Reflectance White Standard Plates, Wavenumber Filters/ SICT-CP-70325
Absorbance		(Filter NO 30)		
		900 nm	0.003 5	
		1 000 nm	0.003 4	
		1 200 nm	0.003 2	
		1 400 nm	0.003 3	
		1 600 nm	0.003 4	
		1 800 nm	0.003 2	
		2 000 nm	0.003 3	
		2 200 nm	0.003 5	
		2 400 nm	0.003 3	
		2 500 nm	0.003 9	
		(Filter NO 90)		
		250 nm	0.003 6	
		300 nm	0.003 6	
		350 nm	0.003 5	
		400 nm	0.002 5	
		450 nm	0.002 5	
		500 nm	0.002 5	
		550 nm	0.002 6	
		600 nm	0.002 6	
		650 nm	0.002 6	
		700 nm	0.002 5	
		750 nm	0.002 6	
		900 nm	0.003 3	
		1 000 nm	0.003 3	
		1 200 nm	0.003 3	
		1 400 nm	0.003 3	
		1 600 nm	0.003 2	
		1 800 nm	0.003 4	
		2 000 nm	0.003 3	
		2 200 nm	0.003 3	
		2 400 nm	0.003 3	
		2 500 nm	0.003 6	
		(Filter NO 1)		
		440 nm	0.004 1	
		465 nm	0.002 8	
		546 nm	0.002 8	
		590 nm	0.003 0	
		635 nm	0.003 5	
		(Filter NO 3)		
		440 nm	0.003 2	
		465 nm	0.002 4	
		546 nm	0.002 6	
		590 nm	0.002 5	
		635 nm	0.002 7	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Spectrophotometers including FT-IR spectrophotometers	70325			Wavelength Filters, Transmittance Filters, Absolute Spectral Reflectance White Standard Plates, Wavenumber Filters/ SICT-CP-70325
Spectral Reflectance		250 nm	1.5×10^{-2}	
		(250 ~ 2 500) nm	1.5×10^{-2}	
Wavenumber		544.9 cm^{-1}	2.5 cm^{-1}	
		842.1 cm^{-1}	1.3 cm^{-1}	
		906.82 cm^{-1}	0.12 cm^{-1}	
		1 028.42 cm^{-1}	0.28 cm^{-1}	
		1 069.27 cm^{-1}	0.78 cm^{-1}	
		1 154.62 cm^{-1}	0.12 cm^{-1}	
		1 583.04 cm^{-1}	0.12 cm^{-1}	
		1 601.38 cm^{-1}	0.13 cm^{-1}	
		2 850.20 cm^{-1}	0.14 cm^{-1}	
		3 001.40 cm^{-1}	0.12 cm^{-1}	
		3 026.44 cm^{-1}	0.12 cm^{-1}	
		3 060.14 cm^{-1}	0.12 cm^{-1}	
		3 082.22 cm^{-1}	0.12 cm^{-1}	
Wavelength reference materials; absorption cell, bandpass filter, etc.	70326			Spectrophotometers, Absolute Spectral Reflectance White Standard Plates/ SICT-CP-70326
Wavelength		(240 ~750) nm	0.5 nm	
Transmittance		(0.1 ~ 0.3)		
		250 nm	8.5×10^{-3}	
		300 nm	8.1×10^{-3}	
		350 nm	8.1×10^{-3}	
		400 nm	5.9×10^{-3}	
		450 nm	5.7×10^{-3}	
		500 nm	5.7×10^{-3}	
		550 nm	5.7×10^{-3}	
		600 nm	5.7×10^{-3}	
		650 nm	5.7×10^{-3}	
		700 nm	5.7×10^{-3}	
		750 nm	5.7×10^{-3}	
		(0.3 ~ 0.5)		
		250 nm	8.3×10^{-3}	
		300 nm	8.1×10^{-3}	
		350 nm	8.0×10^{-3}	
		400 nm	5.7×10^{-3}	
		450 nm	5.7×10^{-3}	
		500 nm	5.7×10^{-3}	
		550 nm	5.7×10^{-3}	
		600 nm	5.7×10^{-3}	
		650 nm	5.7×10^{-3}	
		700 nm	5.7×10^{-3}	
		750 nm	5.7×10^{-3}	

703. Property of materials

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Wavelength reference materials; absorption cell, bandpass filter, etc.	70326			Spectrophotometers, Absolute Spectral Reflectance White Standard Plates/ SICT-CP-70326
Transmittance		(0.5 ~ 0.9)		
		250 nm	8.2×10^{-3}	
		300 nm	8.1×10^{-3}	
		350 nm	8.0×10^{-3}	
		400 nm	5.7×10^{-3}	
		450 nm	5.7×10^{-3}	
		500 nm	5.7×10^{-3}	
		550 nm	5.7×10^{-3}	
		600 nm	5.6×10^{-3}	
		650 nm	5.6×10^{-3}	
		700 nm	5.7×10^{-3}	
		750 nm	5.9×10^{-3}	
Absorbance		(0.1 ~ 0.3)		
		250 nm	0.003 7	
		300 nm	0.003 7	
		350 nm	0.003 8	
		400 nm	0.002 7	
		450 nm	0.002 7	
		500 nm	0.002 8	
		550 nm	0.002 8	
		600 nm	0.002 7	
		650 nm	0.002 7	
		700 nm	0.002 7	
		750 nm	0.002 8	
		(0.3 ~ 0.5)		
		250 nm	0.003 6	
		300 nm	0.003 6	
		350 nm	0.003 6	
		400 nm	0.002 4	
		450 nm	0.002 4	
		500 nm	0.002 4	
		550 nm	0.002 4	
		600 nm	0.002 4	
		650 nm	0.002 4	
		700 nm	0.002 4	
		750 nm	0.002 5	
		(0.5 ~ 0.9)		
		250 nm	0.003 6	
		300 nm	0.003 5	
		350 nm	0.003 5	
		400 nm	0.002 4	
		450 nm	0.002 4	
		500 nm	0.002 4	
		550 nm	0.002 4	
		600 nm	0.002 4	
		650 nm	0.002 4	
		700 nm	0.002 4	
		750 nm	0.002 4	
Reflectance		(360 ~ 830) nm	1.0×10^{-2}	

704. Fiber optics

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Broadband light sources	70402			Optical spectrum anayzer,
Wavelength output		1 310 nm, 1 550 nm	0.058 nm	Optical powermeter/
				SICT-CP-70402
Optical power output		1 310 nm, 1 550 nm		
		(0 ~ -60) dBm	0.070 dB	
Optical attenuators	70410			Optical powermeter, Optical power
Optical Attenuation		1 310 nm, 1 550 nm		stabilized lasers and LDs/
		(-60 ~ 0) dB	0.08 dB	SICT-CP-70410
Fiber-optic power meters	70412			Optical powermeter, Optical power
Absolute optical power		1 310 nm, 1 550 nm		stabilized lasers and LDs,
		(0 ~ -60) dBm	0.072 dB	Optical attenuator/
				SICT-CP-70412
Optical Linearity		1 310 nm, 1 550 nm	0.03 dB	
		(0 ~ -60) dB		
Optical loss testers	70413			Optical attenuator/
Optical Attenuation		1 310 nm, 1 550 nm		SICT-CP-70413
		(0 ~ -60) dB	0.03 dB	
Optical multimeters	70415			Optical powermeter, Optical power
Absolute optical power measure		1 310 nm, 1 550 nm		stabilized lasers and LDs,
		(0 ~ -60) dBm	0.072 dB	Optical attenuator/
				SICT-CP-70415
Linearity measure		1 310 nm, 1 550 nm	0.03 dB	
		(0 ~ -60) dB		
Optical network analyzer	70416			Optical powermeter, OTDR,
(Optical multimeter)				Fiber reference, Wavelength meter
Absolute optical power		1 310 nm, 1 550 nm		Optical spectrum analyzer
		(-60 ~ 0) dBm	0.072 dB	Optical attenuator
(광Optical spectrum analyzer)				Optical Returnloss generator/
Wavelength measure		1 310 nm	0.058 nm	SICT-CP-70416
		1 550 nm	0.058 nm	
Resolution measure		Resolution: (0.1 ~ 1) nm		
		1 310 nm	0.058 nm	
		1 550 nm	0.058 nm	
Absolute optical power measure		1 310 nm, 1 550 nm		
		(-60 ~ 0) dBm	0.072 dB	
(Optical attenuator)				
Optical Attenuation		1 310 nm, 1 550 nm		
		(-60 ~ 0) dB	0.07 dB	
Return loss		1 310 nm, 1 550 nm		
		(20 ~ 40) dB	0.8 dB	
(Optical time domain reflectometer)				
Wavelength output		1 310 nm, 1 550 nm	0.082 nm	
Optical Length measure		1 310 nm		
		3.3 km Fiber	0.081 m	
		13.4 km Fiber	0.34 m	
		1 550 nm		
		3.3 km Fiber	0.080 m	
		13.4 km Fiber	0.34 m	

704. Fiber optics

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Optical network analyzer	70416			Optical powermeter, OTDR,
Optical loss measure		1 310 nm		Fiber reference, Wavelength meter
		7.20 dB Fiber	0.13 dB	Optical spectrum analyzer
		2.90 dB Fiber	0.05 dB	Optical attenuator
				Optical Returnloss generator/
		1 550 nm		SICT-CP-70416
		4.20 dB Fiber	0.05 dB	
		1.60 dB Fiber	0.05 dB	
Optical spectrum analyzers	70417			Optical powermeter, Optical power
Wavelength measure		1 310 nm	0.058 nm	stabilized lasers and LDs,
		1 550 nm	0.058 nm	Optical attenuator,
				Optical spectrum anayzer/
		Resolution : (0.1 ~ 1) nm		SICT-CP-70417
Resolution measure		1 310 nm	0.058 nm	
		1 550 nm	0.058 nm	
Absolute optical power measure		1 310 nm, 1 550 nm		
		(-60 ~ 0) dBm	0.072 dB	
Linearity measure		1 310 nm, 1 550 nm		
		(-60 ~ 0) dB	0.03 dB	
Optical time domain reflectometers; OTDR	70418			Optical length fiber reference,
				Optical fiberloss reference,
				Optical spectrum anayzer/
Wavelength output		1 310 nm, 1 550 nm	0.08 nm	SICT-CP-70418
Optical Length measure		1 310 nm		
		3.3 km Fiber	0.081 m	
		13.4 km Fiber	0.34 m	
		1 550 nm		
		3.3 km Fiber	0.080 m	
		13.4 km Fiber	0.34 m	
Optical loss measure		1 310 nm		
		7.20 dB Fiber	0.13 dB	
		2.90 dB Fiber	0.05 dB	
		1 550 nm		
		4.20 dB Fiber	0.05 dB	
		1.60 dB Fiber	0.05 dB	
Return loss meters	70423			Optical Returnloss generator
Return loss measure		1 310 nm, 1 550 nm		SICT-CP-70423
		20 dB ~ 40 dB	0.8 dB	
Frequency stabilized lasers and LDs	70429			Wavelength meter,
Wavelength		1 310 nm	4 pm	Optical powermeter/
		1 550 nm	4 pm	SICT-CP-70429
optical power		1 310 nm, 1 550 nm		
		(-60 ~ 0) dBm	0.07 dB	

704. Fiber optics

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
ASE light sources	70430			Optical spectrum anayzer,
Wavelength output		1 310 nm, 1 550 nm	0.058 nm	Optical powermeter/
				SICT-CP-70430
Optical power output		1 310 nm, 1 550 nm		
		(-60 ~ 0) dBm	0.07 dB	
Optical power stabilized lasers and LDs	70433			Wavelength meter,
Wavelength output		1 310 nm	4 pm	Optical powermeter/
		1 550 nm	4 pm	SICT-CP-70433
Optical power output		1 310 nm, 1 550 nm		
		(-60 ~ 0) dBm	0.07 dB	

901. Chemical analysis

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Breath alcohol analyzers	90101			Standard gas/
Dry process		(0.000 ~ 0.080) %BAC	3.3×10^{-2}	SICT-CP-90101
		(0.080 ~ 0.190) %BAC	2.1×10^{-2}	
Wet process		(0.000 ~ 0.080) %BAC	2.9×10^{-2}	
		(0.080 ~ 0.150) %BAC	1.6×10^{-2}	
		(0.150 ~ 0.400) %BAC	1.3×10^{-2}	
Environmental air quality monitoring instruments	90102			Standard gas/
		(0 ~ 700) μmol/mol	1.0×10^{-2}	SICT-CP-90102
		(0.07 ~ 1.5) cmol/mol	2.0×10^{-2}	
		(1.5 ~ 20) cmol/mol	1.2×10^{-2}	
Carbon monoxide		(0 ~ 850) μmol/mol	2.2×10^{-2}	
Carbon dioxide		(0 ~ 0.50) cmol/mol	2.0×10^{-2}	
		(0.50 ~ 5.00) cmol/mol	1.5×10^{-2}	
		(5.00 ~ 19.00) cmol/mol	2.1×10^{-2}	
Nitrogen monoxide		(0 ~ 850) μmol/mol	2.1×10^{-2}	
Isobutane		(0 ~ 0.8) cmol/mol	2.2×10^{-2}	
Methane		(0 ~ 2.0) cmol/mol	1.4×10^{-2}	
Hydrogen sulfide		(0 ~ 45) μmol/mol	3.6×10^{-2}	
Propane		(0 ~ 2 000) μmol/mol	3.0×10^{-2}	
Isobutylene		(0 ~ 25) μmol/mol	1.0×10^{-2}	
Ammonia		(0 ~ 50) μmol/mol	4.9×10^{-2}	
Sulfur dioxide		(0 ~ 850) μmol/mol	2.2×10^{-2}	
Nitrogen dioxide		(0 ~ 1 000) μmol/mol	1.0×10^{-2}	
Hydrogen		(0 ~ 500) μmol/mol	2.3×10^{-2}	
		(0.05 ~ 2.0) cmol/mol	2.1×10^{-2}	
Hydrogen chloride		(0 ~ 50) μmol/mol	4.8×10^{-2}	
Sulfur hexafluoride		(0 ~ 100) cmol/mol	0.1×10^{-2}	
Ozone		0.0 nmol/mol	2.2 nmol/mol	
		(0.0 ~ 1 000.0) nmol/mol	2.5×10^{-2}	
Gas analyzers	90103			Standard gas/
Oxygen		(0 ~ 700) μmol/mol	1.0×10^{-2}	SICT-CP-90103
		(0.07 ~ 1.5) cmol/mol	2.0×10^{-2}	
		(1.5 ~ 20) cmol/mol	1.2×10^{-2}	
Carbon monoxide		(0 ~ 850) μmol/mol	2.2×10^{-2}	
Carbon dioxide		(0 ~ 0.50) cmol/mol	2.0×10^{-2}	
		(0.50 ~ 5.00) cmol/mol	1.5×10^{-2}	
		(5.00 ~ 19.00) cmol/mol	2.1×10^{-2}	
Nitrogen monoxide		(0 ~ 850) μmol/mol	2.1×10^{-2}	
Isobutane		(0 ~ 0.8) cmol/mol	2.2×10^{-2}	
Methane		(0 ~ 2.0) cmol/mol	1.4×10^{-2}	
Hydrogen sulfide		(0 ~ 45) μmol/mol	3.6×10^{-2}	
Propane		(0 ~ 2 000) μmol/mol	3.0×10^{-2}	
Isobutylene		(0 ~ 25) μmol/mol	1.0×10^{-2}	
Ammonia		(0 ~ 50) μmol/mol	4.9×10^{-2}	
Sulfur dioxide		(0 ~ 850) μmol/mol	2.2×10^{-2}	
Nitrogen dioxide		(0 ~ 1 000) μmol/mol	1.0×10^{-2}	
Hydrogen		(0 ~ 500) μmol/mol	2.3×10^{-2}	
		(0.05 ~ 2.0) cmol/mol	2.1×10^{-2}	
Hydrogen chloride		(0 ~ 50) μmol/mol	4.8×10^{-2}	
Sulfur hexafluoride		(0 ~ 100) cmol/mol	0.1×10^{-2}	
Ozone		0.0 nmol/mol	2.2 nmol/mol	
		(0.0 ~ 1 000.0) nmol/mol	2.5×10^{-2}	

901. Chemical analysis

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Exhaust gas test instruments	90104			Standard gas/
Oxygen		(0 ~ 1.5) μmol/mol	2.0×10^{-2}	SICT-CP-90103
		(1.5 ~ 20) cmol/mol	1.1×10^{-2}	
Carbon monoxide		(0 ~ 5.0) cmol/mol	2.1×10^{-2}	
Carbon dioxide		(0 ~ 19) cmol/mol	2.0×10^{-2}	
Nitrogen monoxide		(0 ~ 2 000) μmol/mol	2.0×10^{-2}	
Isobutane		(0 ~ 0.8) cmol/mol	2.2×10^{-2}	
Methane		(0 ~ 2.0) cmol/mol	1.4×10^{-2}	
Propane		(0 ~ 2 000) μmol/mol	3.0×10^{-2}	
Ammonia		(0 ~ 50) μmol/mol	4.9×10^{-2}	
Sulfur dioxide		(0 ~ 850) μmol/mol	2.2×10^{-2}	
Nitrogen dioxide		(0 ~ 1 000) μmol/mol	1.0×10^{-2}	
Hydrogen		(0 ~ 500) μmol/mol	2.3×10^{-2}	
		(0.05 ~ 2.0) cmol/mol	2.1×10^{-2}	
Others; pH meter, Electrical conductivity meter	90104			CRM/
pH meter		(4 ~ 10) pH	0.013 pH	SICT-CP-90199
Electrical conductivity meter		100 μS/cm	3.1 μS/cm	
		1 413 μS/cm	9.7 μS/cm	
		12.85 mS/cm	0.073 mS/cm	
		111.3 mS/cm	0.78 mS/cm	