

Korea Laboratory Accreditation Scheme

CERTIFICATE OF ACCREDITATION

UNITHREE Co.,Ltd

Accreditation No. : KC12-264

Corporation Registration No. : 194211-0186173

Address of Laboratory : 76, Yutongdanji 1-ro, Gangseo-gu, Busan, Republic of Korea

Date of Initial Accreditation : January 27, 2012.

Validity of Accreditation : January 27, 2024. ~ January 26, 2028.

Scope of Accreditation : Attached Annex

Date of issue : November 02, 2023.

This calibration laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to Joint ISO-ILAC-IAF Communiqué).



CHIN CHONGWOOK

Head

Korea Laboratory Accreditation Scheme

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

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CALIBRATION

Valid To : Jan. 26. 2028

Accreditation No : KC12-264

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	Field Code	Item of calibration	on-site	Field Code	Item of calibration	on-site
102. Linear dimension			10409	Roundness measurement instruments	Y	20109	Electric balances	Y
10206	Dial/Cylinder gauge testers	N				20112	Platform scale balances	Y
10207	Doctor blades	N	10412	Straight edges	N	20113	Spring scale balances	Y
10209	End bars	N	10413	Straight rules	N	20116	Weights	N
10210	Extensometers, linear displacement transducers	Y		105. Complex geometry		202. Force		
10211	Filler gauges	N	10503	Contact coordinate measuring machines	Y	20203	Tension/Compression testing	Y
10213	Gap gauges	N	10504	Non-contact coordinate measuring machines	Y	20204	push pull gauges	N
10214	Gauge blocks, by comparison	N				204. Pressure		
10216	Height gauges/measuring machines	Y	10511	Measuring microscopes, Profile projectors	Y	20408	Compound pressure gauges	Y
10220	Standard measuring machines	Y	10512	Micro measuring microscopes	N	20409	Differential pressure gauges	Y
10223	Electronic micrometers	N	10517	Stylus type roughness testers	Y	20412	Pressure transducers / transmitters	N
10224	Height micrometers, Riser blocks	N	10519	Roughness standard/ comparison specimens	N	20413	Dial type vacuum gauges	Y
10227	Standard tape rules, Peripheral gauges	N	10525	Thread plug gauges	N	210. Hardness		
			10526	Taper thread plug gauges	N	21001	Brinell hardness testrs	Y
10228	Cylindrical plug/pin gauges, Thread measuring wire gauges	N	10527	Thread ring gauges	N	21002	Rockwell hardness testers	Y
				106. Various dimensional		21004	Vickers hardness testers	Y
10229	Radius gauges	N	10601	Inside/Outside/Gear tooth calipers, Caliper gauges	Y	21005	Durometer hardness testers	N
10230	Cylindrical ring gauges	N				21006	Leeb hardness testers	N
10232	Step gauges	N	10603	Cylinder/Bore gauges	Y	401. DC voltage & current		
10233	Taper thickness gauges	N	10604	Depth gauges,	Y	40101	DC ammeters	Y
10234	Ultrasonic thickness gauges	Y		Depth micrometers		40105	DC current shunts	Y
10235	Ultrasonic/coating thickness specimens	N	10605	Dial/Digital gauges	Y	40108	DC power supplies	Y
			10608	Grind gauges	N	40112	DC voltmeters	Y
10236	Coating thickness testers	Y	10609	Micro indicators, Test indicators	Y	402. Resistance, Capacitance and inductance		
	103. Angle							
10304	Bevel protractors	N	10610	Micrometer heads	N	40205	Earth testers	Y
10311	Plate/Square/Electric levels	N	10611	3-Point micrometers	Y	40210	Insulation testers	Y
10318	Squareness testers, Right angle testers	N	10612	Inside micrometers	Y	40214	Resistance meters	Y
			10613	Outside micrometers	Y	40215	Resistors	Y
10320	Precision squares	N	10617	Standard sieves	N	403. AC voltage, Current & power		
	104. Form		10620	Welding gauges	N	40301	AC ammeters	Y
10401	Form testers	Y		201. Mass		40302	Clamp ammeters/voltmeters	Y
10404	Optical flats	N	20102	Auto-hopper scale balances	Y	40305	AC current shunts	Y
10405	Optical parallels	N	20105	Counter beam balances	Y	40311	Power meters AC	Y
10407	Precision surface plates	Y	20107	Dial swing scale balances	Y	40312	AC power supplies	Y

Field Code	Item of calibration	on-site	Field Code	Item of calibration	on-site	Field Code	Item of calibration	on-site
403. AC voltage, Current & power			501. Contact thermometry			503. Humidity		
40313	Puncture/safety testers	Y	50101	Temperature generators: ovens furnaces, isothermal liquid baths, ice-point baths,	N	50302	Relative humidity hygrometers; polymer thinfilm, hair, etc.	N
40318	AC voltmeters	Y						
404. Other DC & LF Measurements								
40410	Line frequency meters	Y	50102	Temperature indicators/recorders /controllers, temperature calibrators	Y	50304	Temperature humidity recorders ; Hygrothermograph, etc	N
40411	Function generators	Y						
40413	AC/DC high voltage volt meters	Y	50103	Glass thermometers: liquid-in-glass, Beckmann	N	50306	Humidity generators; two-pressure, two-temperature, flow mixing humidity gererator, constant temperature and humidity chamber, etc.	Y
40414	LF impulse generators	Y	50104	Resistance thermometers: SPRT, IPRT, thermistors, etc	N			
40416	Leakage current testers	Y	50105	Thermal expansion thermometers: bimenter, gas or liquid type	N			
40417	Electronic AC/DC loads	Y	50106	Thermocouples: noble metal, base metal, pure metal, special type, etc.	N	901. Chemical analysis		
40418	Modulation meters	Y				90103	Gas analyzers	Y
40419	Analogue/Digital multimeters	Y						
40421	Oscilloscopes	Y						
40424	Volt/Current recorders	Y						
40425	Relay test sets	Y						
40426	LF generators	Y						
40434	AC/DC high voltage generators	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 calibration 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.
Dial/Cylinder gauge testers	10206	(0 ~ 100) mm	$\sqrt{0.37^2 + (0.003 0 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Gauge blocks / UNT-CAL-10206
Doctor blades	10207	(0 ~ 10) mm	3.2 μm	Micrometer, height / UNT-CAL-10207
End bars	10209	(25 ~ 1 500) mm	$\sqrt{1.0^2 + (0.002 9 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Gauge blocks / UNT-CAL-10209
Extensometers, linear displacement transducers	10210	(0 ~ 500) mm	$\sqrt{0.9^2 + (0.002 9 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Gauge blocks / UNT-CAL-10210
Filler gauges	10211	(0 ~ 5) mm	1.43 μm	Measuring machines, standard / UNT-CAL-10211
Gap gauges	10213	(0 ~ 250) mm	$\sqrt{2.1^2 + (0.004 0 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Micrometer, height / UNT-CAL-10213
Gauge blocks, by comparison	10214	(0.5 ~ 100) mm	$\sqrt{80^2 + (1.3 \times l)^2} \text{ nm}$ ($l:\text{mm}$)	Gauge blocks / UNT-CAL-10214
Height gauges/measuring machines	10216	(0 ~ 1 500) mm	$\sqrt{2.0^2 + (0.002 9 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Gauge blocks / UNT-CAL-10216
Standard measuring machines	10220	(0 ~ 500) mm	$\sqrt{0.62^2 + (0.002 7 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Gauge blocks / UNT-CAL-10220
Electronic micrometers	10223	(0 ~ 5) mm	0.12 μm	Gauge blocks / UNT-CAL-10223
Height micrometers, Riser blocks	10224			Gauge blocks / UNT-CAL-10224
Head Calibration		(0 ~ 30) mm	$\sqrt{1.9^2 + (0.002 9 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	
Block Calibration		(0 ~ 1 010) mm	$\sqrt{1.8^2 + (0.002 9 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	
Standard tape rules, Peripheral gauges	10227	(0 ~ 15) m	$\sqrt{0.27^2 + (0.008 4 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Standard tape rules / UNT-CAL-10227
Cylindrical plug/pin gauges, Thread measuring wire gauges	10228	(0 ~ 300) mm	$\sqrt{0.63^2 + (0.004 0 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Measuring machines, standard / UNT-CAL-10228
Radius gauges	10229	(0 ~ 100) mm	3.1 μm	Profile projectors / UNT-CAL-10229
Cylindrical ring gauges	10230	(2 ~ 300) mm	$\sqrt{0.80 + (0.003 8 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Measuring machines, standard / UNT-CAL-10230
Step gauges	10232	(0 ~ 1 500) mm	$\sqrt{1.8^2 + (0.002 9 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Gauge blocks / UNT-CAL-10232
Taper thickness gauges	10233	(0 ~ 50) mm	3.1 μm	Profile projectors / UNT-CAL-10233
Ultrasonic thickness gauges	10234	(0 ~ 500) mm	9 μm	Ultrasonic test blocks / UNT-CAL-10234
Ultrasonic/coating, thickness specimens	10235			Measuring machines, standard, Gauge blocks / UNT-CAL-10235
		(0 ~ 30) mm	1.2 μm	
		(30 ~ 500) mm	$\sqrt{1.8^2 + (0.002 9 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	
Coating thickness testers	10236	(0 ~ 15) mm	1.9 μm	Thickness specimens / UNT-CAL-10236

103. Angle

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Bevel protractors	10304	(0 ~ 90) °	1.5'	Angle Gauge blocks / UNT-CAL-10304
Angle of Accessories		(0 ~ 90) °	0.9'	
Plate/Square/Electric levels	10311	$\pm 2^\circ$ (0 ~ 500) mm	1.4° 1.8 μm	Level comparators / UNT-CAL-10311
Sensitivity				
Flatness of Base side				
Squareness testers, Right angle testers	10318	(0 ~ 300) mm	2.5 μm	Squares, Cylindrical / UNT-CAL-10318
Squareness				
Precision squares	10320	(0 ~ 300) mm	3.1 μm 2.6 μm	Squareness testers / UNT-CAL-10320
Squareness				
Parallelism				

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	$(0 \sim 20)$ mm	0.12 μm	Gauge blocks, Standard scales / UNT-CAL-10401
Vertical				
Horizontal				
Optical flats	10404	$(10 \sim 60)$ mm	0.09 μm	Optical flats / UNT-CAL-10404
Flatness				
Optical parallels	10405	$(10 \sim 50)$ mm	0.09 μm 0.08 μm	Optical flats, Comparators, gauge block / UNT-CAL-10405
Flatness				
Parallelism				
Precision surface plates	10407	$(3\ 000 \times 3\ 000)$ mm ²	3.3 μm	Levels / UNT-CAL-10407
Roundness measurement instruments	10409	$(0 \sim 1)$ mm	0.40 μm	Specimens, roundness standard, Squares, cylindrical / UNT-CAL-10409
Detector accuracy				
Rotational accuracy		360°	0.02 μm	

104. Form

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Straight edges	10412	(0 ~ 1 500) mm	3.3 μm	Micrometer, electronic / UNT-CAL-10412
		parallelism	(0 ~ 1 500) mm	
Straight rules	10413	(0 ~ 3) m	$\sqrt{0.10^2 + (0.008 4 \times l)^2} \mu\text{m} (l:\text{mm})$	Standard tape rules / UNT-CAL-10413

105. Complex geometry

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Contact coordinate measuring machines	10503	(0 ~ 1 000) mm	$\sqrt{1.8^2 + (0.004 1 \times l)^2} \mu\text{m} (l:\text{mm})$	Step gauges, Squares, Straight edges / UNT-CAL-10503
		Squareness	(0 ~ 90) $^\circ$	
Non-contact coordinate measuring machines	10504	(0 ~ 500) mm	$\sqrt{0.41^2 + (0.004 3 \times l)^2} \mu\text{m} (l:\text{mm})$	Standard scales, Squares / UNT-CAL-10504
		Squareness	(0 ~ 150) mm	
Measuring microscopes, Profile projectors	10511	(0 ~ 150) mm	2.0 μm	Standard scales, Squares / UNT-CAL-10511
		Squareness	(0 ~ 300) mm	
		Straightness	(0 ~ 150) mm	
		Scale errors	(0 ~ 300) mm	
Micro measuring microscopes	10512	(0 ~ 20) mm	7.7 $\times 10^{-2}$	Standard scales / UNT-CAL-10512
		Splitting angle accuracy	(0 ~ 360) $^\circ$	
Stylus type roughness testers	10517	(0 ~ 10) μm	0.072 μm	Specimens, roughness standard, Gauge blocks / UNT-CAL-10517
		Max. Height(Rz)	(0 ~ 20) μm	
		Depth(H)	0.19 μm	

105. Complex geometry

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Roughness standard/ comparison specimens	10519			Roughness testers, stylus type, Gauge blocks, Specimens, roughness standard / UNT-CAL-10519
Standard				
Arithmetic Mean(Ra)		(0 ~ 10) μm	0.060 μm	
Max. Height(Rz)		(0 ~ 20) μm	0.16 μm	
Depth(H)		(0 ~ 20) μm	0.052 μm	
Comparison				
Arithmetic Mean(Ra)	10525	(0 ~ 500) μm	0.082 μm	Profile projectors, Measuring machines, standard,
Max. Height(Rz)	10525	(0 ~ 500) μm	0.23 μm	Form testers, Gauge blocks / UNT-CAL-10525
Thread plug gauges	10525			Profile projectors, Measuring machines, standard, Gauge blocks / UNT-CAL-10526
Effective Dia.		(2 ~ 200) mm	$\sqrt{1.2^2 + (0.0027 \times I)^2} \mu\text{m}$ ($I:\text{mm}$)	
Outside Dia.		(2 ~ 200) mm	$\sqrt{0.65^2 + (0.0027 \times I)^2} \mu\text{m}$ ($I:\text{mm}$)	
Pitch		(0.25 ~ 10) mm	1.2 μm	
Half Angle of Thread	10526	(0 ~ 45) $^\circ$	0.05 $^\circ$	Profile projectors, Measuring machines, standard,
Taper thread plug gauges	10526			Gauge blocks / UNT-CAL-10526
Effective Dia. Of Large,Small Part		(2 ~ 200) mm	3.6 μm	
Outside Dia. Of Large,Small Part		(2 ~ 200) mm	2.6 μm	
Pitch		(0.25 ~ 10) mm	1.2 μm	
Half Angle of Thread		(0 ~ 45) $^\circ$	0.05 $^\circ$	
Taper Half-Angle		(0 ~ 45) $^\circ$	0.005 $^\circ$	
Length, gauges	10527	(10 ~ 250) mm	2.6 μm	Profile projectors, Measuring machines standard, Balls, Form testers / UNT-CAL-10527
Length, notch		(0.1 ~ 150) mm	3.7 μm	
Thread ring gauges	10527			Profile projectors, Measuring machines standard, Balls, Form testers / UNT-CAL-10527
Effective Dia.		(2 ~ 100) mm	$\sqrt{1.4^2 + (0.0038 \times I)^2} \mu\text{m}$ ($I:\text{mm}$)	
Inside Dia.		(2 ~ 100) mm	$\sqrt{1.6^2 + (0.0027 \times I)^2} \mu\text{m}$ ($I:\text{mm}$)	
Pitch	10527	(0.25 ~ 10) mm	0.9 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	(0 ~ 300) mm (300 ~ 2 000) mm	$\sqrt{0.7^2 + (0.003 \times l)^2} \mu\text{m}$ ($l:\text{mm}$) $\sqrt{9^2 + (0.003 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Step gauges, Gauge blocks / UNT-CAL-10601	
Cylinder/Bore gauges	10603	(0 ~ 800) mm	0.86 μm	Dial gauge testers / UNT-CAL-10603	
Depth gauges, Depth micrometers	10604	(0 ~ 300) mm (300 ~ 1 000) mm	$\sqrt{1.1 + (0.003 1 \times l)^2} \mu\text{m}$ ($l:\text{mm}$) $\sqrt{10^2 + (0.003 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Gauge blocks / UNT-CAL-10604	
Dial/Digital gauges	10605	(0 ~ 100) mm	$\sqrt{0.88^2 + (0.004 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Dial gauge testers / UNT-CAL-10605	
Grind gauges	10608	Depth of Inclined Plane Straightness	(0 ~ 1) mm (0 ~ 100) mm	3.3 μm 2.7 μm	Micrometer, electronic, Micrometer, height / UNT-CAL-10608
Micro indicators, Test indicators	10609	(0 ~ 5) mm	0.82 μm	Dial gauge testers / UNT-CAL-10609	
Micrometer heads	10610	(0 ~ 100) mm	$\sqrt{0.68^2 + (0.002 9 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Gauge blocks / UNT-CAL-10610	
3-Point micrometers	10611	(2 ~ 200) mm	$\sqrt{1.5^2 + (0.002 7 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Ring gauges,cylindrical / UNT-CAL-10611	
Inside micrometers	10612	(5 ~ 2 100) mm	$\sqrt{2.1^2 + (0.002 9 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Gauge blocks / UNT-CAL-10612	
Outside micrometers	10613	(0 ~ 2 000) mm	$\sqrt{0.9^2 + (0.003 \times l)^2} \mu\text{m}$ ($l:\text{mm}$)	Gauge blocks / UNT-CAL-10613	
Standard sieves	10617	Standard net sieve wire diameter Sieve size	(0.01 ~ 10) mm (0.01 ~ 150) mm	3.1 μm 4.4 μm	Profile projectors / UNT-CAL-10617
Welding gauges	10620	Scale accuracy Angle accuracy	(0 ~ 100) mm (0 ~ 360) $^\circ$	3.2 μm 2.3'	Profile projectors / UNT-CAL-10620

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	(0 ~ 20) kg (20 ~ 50) kg (50 ~ 100) kg (100 ~ 500) kg (500 ~ 1 000) kg	8.1 g 16 g 40 g 81 g 0.16 kg	Weights / UNT-CAL-20102
Counter beam balances	20105	(0 ~ 311) g (311 ~ 2 610) g (2.61 ~ 20) kg	7.6 mg 76 mg 0.76 g	Weights / UNT-CAL-20105
Dial swing scale balances	20107	(0 ~ 20) kg (20 ~ 50) kg (50 ~ 100) kg (100 ~ 500) kg (500 ~ 1 000) kg (1 000 ~ 2 000) kg	9.1 g 18 g 45 g 91 g 0.18 kg 0.45 kg	Weights / UNT-CAL-20107
Electric balances	20109	(0 ~ 20) g (20 ~ 50) g (50 ~ 100) g (100 ~ 200) g (200 ~ 600) g (0.6 ~ 1.2) kg (1.2 ~ 3) kg (3 ~ 5) kg (5 ~ 10) kg (10 ~ 30) kg (30 ~ 60) kg (60 ~ 100) kg	74 µg 87 µg 0.14 mg 0.22 mg 0.66 mg 1.5 mg 2.6 mg 3.1 mg 6.5 mg 24 mg 0.13 g 0.67 g	Weights / UNT-CAL-20109

201. Mass

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Electric balances	20109	(100 ~ 200) kg (200 ~ 300) kg (300 ~ 500) kg (500 ~ 1 000) kg (1 000 ~ 2 000) kg (2 000 ~ 3 000) kg (3 000 ~ 5 000) kg	10 g 12 g 17 g 34 g 73 g 0.12 kg 0.22 kg	Weights / UNT-CAL-20109
Platform scale balances	20112	(0 ~ 10) kg (10 ~ 20) kg (20 ~ 50) kg (50 ~ 100) kg (100 ~ 500) kg (500 ~ 1 000) kg (1 000 ~ 2 000) kg	0.90 g 1.8 g 9.1 g 18 g 91 g 0.45 kg 0.90 kg	Weights / UNT-CAL-20112
Spring scale balances	20113	(0 ~ 1) kg (1 ~ 5) kg (5 ~ 10) kg (10 ~ 50) kg (50 ~ 100) kg	0.90 g 4.5 g 9.0 g 45 g 90 g	Weights / UNT-CAL-20113

201. Mass

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Weights	20116	(1 mg ~ 1 kg)	(F2 級)	Weights , Electric balances / UNT-CAL-20116
		1 mg	13 µg	
		2 mg	13 µg	
		5 mg	13 µg	
		10 mg	13 µg	
		20 mg	14 µg	
		50 mg	14 µg	
		100 mg	14 µg	
		200 mg	15 µg	
		500 mg	16 µg	
		1 g	17 µg	
		2 g	20 µg	
		5 g	23 µg	
		10 g	27 µg	
		20 g	33 µg	
		50 g	40 µg	
		100 g	0.12 mg	
		200 g	0.16 mg	
		500 g	0.96 mg	
		1 kg	1.1 mg	
		(2kg ~ 20kg)	(M1 級)	
		2 kg	9.1 mg	
		5 kg	9.6 mg	
		10 kg	91 mg	
		20 kg	91 mg	

202. Force

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Tension/Compression testing machines	20203	(1 ~ 1 000) N	1.3×10^{-3}	Weight , Force calibration machines / UNT-CAL-20203
		(1 ~ 500) N	1.2×10^{-3}	
		(0.5 ~ 1) kN	1.5×10^{-3}	
		(1 ~ 3) kN	1.5×10^{-3}	
		(3 ~ 5) kN	1.6×10^{-3}	
		(5 ~ 10) kN	2.0×10^{-3}	
		(10 ~ 30) kN	1.7×10^{-3}	
		(30 ~ 50) kN	1.8×10^{-3}	
		(50 ~ 100) kN	2.0×10^{-3}	
		(100 ~ 300) kN	1.7×10^{-3}	
push pull gauges	20204	(300 ~ 500) kN	2.0×10^{-3}	Weight / UNT-CAL-20204
		(500 ~ 1 000) kN	2.0×10^{-3}	
Tension	20204	(1 000 ~ 3 000) kN	1.7×10^{-3}	Weight / UNT-CAL-20204
		(1 ~ 1 000) N	1.4×10^{-3}	
Compression		(1 ~ 1 000) N	1.4×10^{-3}	

204. Pressure

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Absolute pressure gauges Pressure generators /controllers	20406	(5 ~ 350) kPa abs	1.1×10^{-4}	Digital manometer / UNT-CAL-20406
		(350 ~ 7 000) kPa abs	1.0×10^{-4}	
Compound pressure gauges	20408	-95 kPa ~ 7MPa	7.8×10^{-4}	Digital manometer / UNT-CAL-20408
Differential pressure gauges	20409	(0 ~ 7) kPa	1.4×10^{-3}	Deadweight / UNT-CAL-20409
		(7 ~ 250) kPa	1.5×10^{-4}	
		(250 ~ 7 000) kPa	1.2×10^{-4}	
Gauge pressure gauges	20411	(0 ~ 7) kPa	1.4×10^{-3}	Deadweight / UNT-CAL-20411
		(7 ~ 250) kPa	1.4×10^{-4}	
		(250 ~ 6 000) kPa	1.6×10^{-4}	
		(6 ~ 100) MPa	9.0×10^{-5}	
		(100 ~ 200) MPa	9.0×10^{-5}	

204. Pressure

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Pressure transducers / transmitters	20412	(0 ~ 7) kPa	5.7×10^{-4}	Deadweight / UNT-CAL-20412
		(7 ~ 250) kPa	1.6×10^{-4}	
		(250 ~ 6 000) kPa	1.0×10^{-4}	
		(6 ~ 100) MPa	1.1×10^{-4}	
		(100 ~ 200) MPa	1.1×10^{-4}	
		(5 ~ 350) kPa abs	1.4×10^{-4}	
		(350 ~ 7 000) kPa abs	1.3×10^{-4}	
Dial type vacuum gauges	20413	(-95 ~ 0) kPa	1.6×10^{-3}	Digital manometer / UNT-CAL-20413

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	(100 ~ 250)HBW 10/3 000	2.8 HBW 10/3 000	Brinell hardness STD blocks UNT-CAL-21001
		(250 ~ 450)HBW 10/3 000	4.8 HBW 10/3 000	
Rockwell hardness testers	21002	(20 ~ 70) HRC	0.5 HRC	Rockwell hardness STD blocks UNT-CAL-21002
		(10 ~ 100) HRBW	0.8 HRBW	
Vickers hardness testers	21004	(50 ~ 300)HV 0.2	5.4 HV 0.2	Vickers hardness STD blocks UNT-CAL-21004
		(300 ~ 600)HV 0.2	17 HV 0.2	
		(600 ~ 850)HV 0.2	26 HV 0.2	
Durometer hardness testers	21005	(0 ~ 100) HDA	0.4 HDA	Durometer hardness STD blocks UNT-CAL-21005
		(0 ~ 100) HDD	0.4 HDD	
Leeb hardness testers	21006	≤ 500 HLD	4.7 HLD	Leeb hardness STD blocks UNT-CAL-21006
		(500 ~ 700) HLD	4.6 HLD	
		>700 HLD	4.6 HLD	

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	(0 ~ 100) μ A	3.4×10^{-3}	Calibrator, Amplifier
		(100 ~ 300) μ A	4.6×10^{-4}	UNT-CAL-40101
		(0.3 ~ 1) mA	6.4×10^{-4}	
		(1 ~ 3) mA	2.3×10^{-4}	
		(3 ~ 10) mA	6.0×10^{-4}	
		(10 ~ 30) mA	2.0×10^{-4}	
		(30 ~ 100) mA	6.1×10^{-4}	
		(100 ~ 300) mA	2.0×10^{-4}	
		(0.3 ~ 1) A	7.3×10^{-4}	
		(1 ~ 3) A	4.0×10^{-4}	
		(3 ~ 10) A	9.6×10^{-4}	
		(10 ~ 30) A	3.3×10^{-4}	
		(30 ~ 100) A	7.0×10^{-4}	
DC current shunts	40105	0.000 5 Ω	4.8×10^{-4}	Calibrator, Digital Multimeter
		0.005 Ω	1.1×10^{-3}	UNT-CAL-40105
		0.05 Ω	1.3×10^{-4}	
DC power supply	40108	(0 ~ 1) V	3.2×10^{-4}	Digital Multimeter, Current shunt
		(1 ~ 10) V	2.9×10^{-4}	UNT-CAL-40108
		(10 ~ 100) V	2.9×10^{-4}	
		(100 ~ 1 000) V	2.9×10^{-4}	
	40108	(0 ~ 1) A	2.4×10^{-3}	
		(1 ~ 10) A	2.4×10^{-3}	
		(10 ~ 100) A	2.4×10^{-3}	

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 voltmeters	40112	(0 ~ 100) mV	2.0 μ V	Calibrator UNT-CAL-40112
		(0.1 ~ 1) V	9 μ V	
		(1 ~ 10) V	87 μ V	
		(10 ~ 100) V	1.0 mV	
		(100 ~ 1 000) V	11 mV	

402. Resistance, Capacitance and Inductar

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Earth testers	40205	(0 ~ 1) Ω	3.1×10^{-3}	Calibrator, Decade resistor UNT-CAL-40205
		(1 ~ 10) Ω	3.1×10^{-3}	
		(10 ~ 100) Ω	3.1×10^{-3}	
		(0.1 ~ 1) k Ω	3.1×10^{-3}	
		(1 ~ 10) k Ω	3.1×10^{-3}	
		40 Hz ~ 1 kHz		
		(0 ~ 1) V	3.1×10^{-3}	
		(1 ~ 2) V	4.2×10^{-4}	
		(2 ~ 3) V	2.7×10^{-4}	
		(3 ~ 5) V	1.9×10^{-4}	
AC Input voltage	40205	(5 ~ 10) V	6.1×10^{-4}	
		(10 ~ 20) V	5.2×10^{-4}	
		(20 ~ 30) V	2.9×10^{-4}	
		(30 ~ 50) V	1.8×10^{-4}	
		(50 ~ 100) V	6.2×10^{-4}	
		(100 ~ 200) V	5.2×10^{-4}	
		(200 ~ 300) V	2.9×10^{-4}	
		(300 ~ 400) V	2.0×10^{-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.
Insulation testers	40210	(0 ~ 10) kΩ	1.2×10^{-2}	Calibrator,
		(10 ~ 100) kΩ	1.2×10^{-2}	Decade resistor,
		(0.1 ~ 1) MΩ	1.8×10^{-2}	Digital Multimeter
		(1 ~ 10) MΩ	2.9×10^{-2}	UNT-CAL-40210
		(10 ~ 100) MΩ	2.9×10^{-2}	
		(0.1 ~ 1) GΩ	5.9×10^{-2}	
		AC voltage	60 Hz	
			(0 ~ 750) V	0.58 V
		DC voltage	(0 ~ 1) kV	5.8 V
		Insulation voltage	(0 ~ 1) kV	0.58 V
			(1 ~ 2.5) kV	19 V
			(2.5 ~ 5) kV	33 V
Resistance meters	40214	1 mΩ	0.13 μΩ	Standard resistance
		10 mΩ	1.1 μΩ	Decade resistor
		100 mΩ	9.3 μΩ	UNT-CAL-40214
		1 Ω	74 μΩ	
		10 Ω	0.74 mΩ	
		100 Ω	6.6 mΩ	
		1 kΩ	69 mΩ	
		10 kΩ	0.69 Ω	
		100 kΩ	6.7 Ω	
		1 MΩ	69 Ω	
		10 MΩ	0.80 kΩ	

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, Decade resistance	40215	(0 ~ 0.01) Ω	2.3×10^{-3}	Digitalmultimeter
		(0.01 ~ 0.1) Ω	2.4×10^{-4}	UNT-CAL-40215
		(0.1 ~ 1) Ω	3.5×10^{-5}	
		(1 ~ 10) Ω	1.8×10^{-5}	
		(10 ~ 100) Ω	5.8×10^{-6}	
		(0.1 ~ 1) kΩ	1.2×10^{-5}	
		(1 ~ 10) kΩ	1.2×10^{-5}	
		(10 ~ 100) kΩ	5.9×10^{-6}	
		(0.1 ~ 1) MΩ	1.6×10^{-5}	
		(1 ~ 10) MΩ	6.9×10^{-5}	
		(10 ~ 100) MΩ	6.4×10^{-4}	
		(0.1 ~ 1) GΩ	6.4×10^{-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 ammeters	40301	50 Hz ~ 1 kHz		Calibrator,
		(0 ~ 1) mA	2.0×10^{-4}	Amplifier
		(1 ~ 10) mA	2.1×10^{-4}	UNT-CAL-40301
		(10 ~ 100) mA	2.1×10^{-4}	
		(0.1 ~ 1) A	7.9×10^{-4}	
		(1 ~ 10) A	7.5×10^{-3}	
		50 Hz ~ 60 Hz		
		(10 ~ 100) A	7.5×10^{-3}	
Clamp ammeter/voltmeters	40302			Calibrator, Coil
AC current		50 Hz ~ 65 Hz		UNT-CAL-40302
		(0 ~ 1) mA	3.7×10^{-3}	
		(1 ~ 10) mA	3.5×10^{-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 ammeter/voltmeters	40302			Calibrator, Coil
AC current		(10 ~ 100) mA	3.5×10^{-3}	UNT-CAL-40302
		(0.1 ~ 1) A	3.3×10^{-3}	
		(1 ~ 10) A	3.8×10^{-3}	
		(10 ~ 100) A	5.9×10^{-2}	
		(100 ~ 1 000) A	1.3×10^{-2}	
DC current		(0 ~ 1) A	3.1×10^{-3}	
		(1 ~ 10) A	3.1×10^{-3}	
		(10 ~ 100) A	3.5×10^{-2}	
		(100 ~ 1 000) A	1.1×10^{-2}	
AC voltage		50 Hz ~ 1 kHz		
		(0 ~ 1) V	3.2×10^{-3}	
		(1 ~ 10) V	3.2×10^{-3}	
		(10 ~ 100) V	4.7×10^{-2}	
		(100 ~ 1 000) V	3.2×10^{-3}	
DC voltage		(0 ~ 1) V	3.1×10^{-3}	
		(1 ~ 10) V	3.1×10^{-3}	
		(10 ~ 100) V	3.1×10^{-3}	
		(100 ~ 1 000) V	3.1×10^{-3}	
Resistance		(0 ~ 1) Ω	3.1×10^{-3}	
		(1 ~ 10) Ω	3.1×10^{-3}	
		(10 ~ 100) Ω	3.1×10^{-3}	
		(0.1 ~ 1) kΩ	8.8×10^{-3}	
		(1 ~ 10) kΩ	8.4×10^{-3}	
		(10 ~ 100) kΩ	9.0×10^{-3}	
		(0.1 ~ 1) MΩ	4.8×10^{-3}	
		(1 ~ 10) MΩ	5.2×10^{-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 current shunts	40305	0.001 Ω	2.9×10^{-3}	Calibrator, Digital multimeter
		0.01 Ω	1.7×10^{-3}	UNT-CAL-40305
		0.1 Ω	8.4×10^{-4}	
		1 Ω	3.4×10^{-4}	
		10 Ω	3.3×10^{-4}	
		100 Ω	3.3×10^{-4}	
		1 000 Ω	3.3×10^{-4}	
Power meters, AC	40311	50 Hz~ 1 kHz		5500A Calibrator / UNT-CAL-40311
		(0.1 ~ 0.5) V	0.68 mV	
		(0.5 ~ 1) V	0.77 mV	
		(1 ~ 5) V	3.1 mV	
		(5 ~ 10) V	5.3 mV	
		(10 ~ 50) V	36 mV	
		(50 ~ 100) V	65 mV	
		(100 ~ 300) V	0.18 V	
		(300 ~ 600) V	0.44 V	
		50 Hz~ 1 kHz		
AC current		(0.5 ~ 1) mA	1.5 μA	
		(1 ~ 5) mA	8.6 μA	
		(5 ~ 10) mA	14 μA	
		(10 ~ 50) mA	86 μA	
		(50 ~ 100) mA	0.14 mA	

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 meters, AC	40311			5500A Calibrator
AC current		(100 ~ 500) mA	0.92 mA	/ UNT-CAL-40311
		(0.5 ~ 1) A	1.5 mA	
		(1 ~ 5) A	21 mA	
		(5 ~ 10) A	40 mA	
AC power		(Lag, Lead)		
		120 V, 0.5 A, 60 Hz;		
		60 W, (P.F. = 1)	0.12 W	
		48 W, (P.F. = 0.8)	0.10 W	
		30 W, (P.F. = 0.5)	0.07 W	
		180 W, (P.F. = 0.3)	0.05 W	
		120 V, 1 A, 60 Hz;		
		120 W, (P.F. = 1)	0.19 W	
		96 W, (P.F. = 0.8)	0.16 W	
		60 W, (P.F. = 0.5)	0.10 W	
		36 W, (P.F. = 0.3)	0.08 W	
		120 V, 5 A, 60 Hz;		
		600 W, (P.F. = 1)	0.80 W	
		480 W, (P.F. = 0.8)	0.66 W	
		300 W, (P.F. = 0.5)	0.44 W	
		180 W, (P.F. = 0.3)	0.30 W	
		120 V, 10 A, 60 Hz;		
		1.2 kW, (P.F. = 1)	1.4 W	
		960 W, (P.F. = 0.8)	1.1 W	
		600 W, (P.F. = 0.5)	0.81 W	
		360 W, (P.F. = 0.3)	0.62 W	

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 meters, AC	40311			5500A Calibrator / UNT-CAL-40311
AC power		240 V, 0.5 A, 60 Hz; 120 W, (P.F. = 1) 96 W, (P.F. = 0.8) 60 W, (P.F. = 0.5) 36 W, (P.F. = 0.3) 240 V, 1 A, 60 Hz; 240 W, (P.F. = 1) 192 W, (P.F. = 0.8) 120 W, (P.F. = 0.5) 72 W, (P.F. = 0.3) 240 V, 5 A, 60 Hz; 1.2 kW, (P.F. = 1) 960 W, (P.F. = 0.8) 600 W, (P.F. = 0.5) 360 W, (P.F. = 0.3) 240 V, 5 A, 60 Hz; 2.4 kW, (P.F. = 1) 1.92 kW, (P.F. = 0.8) 1.2 kW, (P.F. = 0.5) 720 W, (P.F. = 0.3)	0.23 W 0.18 W 0.13 W 0.09 W 0.39 W 0.31 W 0.20 W 0.14 W 1.6 W 1.2 W 0.87 W 0.62 W 2.6 W 2.2 W 1.5 W 1.1 W	
AC power supply	40312			Digital multimeter UNT-CAL-40312
AC voltage		40 Hz ~ 1 kHz (0 ~ 10) V (10 ~ 100) V (100 ~ 600) V	2.9×10^{-2} 2.9×10^{-3} 4.0×10^{-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.
Puncture/safety testers	40313			Digital high voltage meter
AC voltage		60 Hz		
		(0 ~ 5) kV	7.9×10^{-2}	UNT-CAL-40313
		(5 ~ 10) kV	2.2×10^{-2}	
		(10 ~ 15) kV	1.9×10^{-2}	
		(15 ~ 19) kV	1.7×10^{-2}	
		(19 ~ 20) kV	1.6×10^{-2}	
		(20 ~ 40) kV	2.1×10^{-2}	
		(40 ~ 60) kV	1.6×10^{-2}	
		(60 ~ 80) kV	1.8×10^{-2}	
		(80 ~ 100) kV	1.7×10^{-2}	
AC Cut-off current		60 Hz		
		(0 ~ 0.5) mA	1.7×10^{-3}	
		(0.5 ~ 1) mA	1.1×10^{-3}	
		(1 ~ 2) mA	3.6×10^{-3}	
		(2 ~ 5) mA	1.7×10^{-3}	
		(5 ~ 10) mA	1.1×10^{-3}	
		(10 ~ 20) mA	3.6×10^{-3}	
		(20 ~ 50) mA	2.0×10^{-3}	
		(50 ~ 100) mA	1.1×10^{-3}	
DC voltage		(0 ~ 5) kV	5.1×10^{-2}	
		(5 ~ 10) kV	1.0×10^{-2}	
		(10 ~ 15) kV	1.2×10^{-2}	
		(15 ~ 19) kV	1.1×10^{-2}	
		(19 ~ 20) kV	1.1×10^{-2}	
		(20 ~ 40) kV	1.4×10^{-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.
Puncture/safety testers	40313	(40 ~ 60) kV	1.2×10^{-2}	Digital high voltage meter Digital high voltage UNT-CAL-40313
		(60 ~ 80) kV	1.1×10^{-2}	
		(80 ~ 95) kV	1.0×10^{-2}	
		(0 ~ 0.5) mA	1.2×10^{-3}	
		(0.5 ~ 1) mA	6.1×10^{-4}	
		(1 ~ 2) mA	3.1×10^{-3}	
		(2 ~ 5) mA	1.2×10^{-3}	
		(5 ~ 10) mA	6.1×10^{-4}	
AC voltmeters	40318	(0 ~ 100) mV		Calibrator UNT-CAL-40318
		40 Hz	3.0×10^{-3}	
		(0.04 ~ 20) kHz	3.0×10^{-3}	
		(20 ~ 50) kHz	3.1×10^{-3}	
		(50 ~ 100) kHz	3.8×10^{-3}	
		(0.1 ~ 1) V		
		40 Hz	2.9×10^{-3}	
		(0.04 ~ 20) kHz	2.9×10^{-3}	
		(20 ~ 50) kHz	2.9×10^{-3}	
		(50 ~ 100) kHz	3.0×10^{-3}	
		(1 ~ 10) V		
		40 Hz	3.2×10^{-3}	
		(0.04 ~ 20) kHz	2.9×10^{-3}	
		(20 ~ 50) kHz	2.9×10^{-3}	
		(50 ~ 100) kHz	3.0×10^{-3}	
		(10 ~ 100) V		

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	40 Hz	2.9×10^{-3}	Calibrator
		(0.04 ~ 20) kHz	2.9×10^{-3}	UNT-CAL-40318
		(20 ~ 50) kHz	3.0×10^{-3}	
		(50 ~ 100) kHz	3.1×10^{-3}	
		(100 ~ 1 000) V		
		50 Hz	2.9×10^{-3}	
		1 kHz	2.9×10^{-3}	

404. Order DC & LF Measurements 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.
Line frequency meters	40410			Function generator
		(0 ~ 10) Hz	1.0×10^{-4}	UNT-cal-40410
		(10 ~ 100) Hz	1.0×10^{-4}	
		(0.1 ~ 1) kHz	1.0×10^{-4}	
		(1 ~ 10) kHz	1.0×10^{-4}	
		(10 ~ 100) kHz	1.0×10^{-4}	
		(0.1 ~ 1) MHz	1.0×10^{-4}	
Function generators	40411			Frequency counter,
		Out frequency	6.2×10^{-4}	Digital multimeter,
		Out voltage	4.4×10^{-4}	Oscilloscope
		(0 ~ 10) mV		UNT-CAL-40411
		(0.04 ~ 1) kHz	4.3×10^{-4}	
		(1 ~ 10) kHz	1.4×10^{-3}	
		(10 ~ 100) kHz	8.9×10^{-4}	
		(0.1 ~ 1) V	8.9×10^{-4}	
		(0.04 ~ 1) kHz	5.2×10^{-3}	
		(1 ~ 10) kHz	6.6×10^{-4}	
		(10 ~ 100) kHz	6.6×10^{-4}	
		(0.1 ~ 1) V	4.1×10^{-3}	

404. Order DC & LF Measurements 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.
Function generators	40411			Frequency counter, Digital multimeter, Oscilloscope UNT-CAL-40411
		Out voltage (1 ~ 10) V		
		(0.04 ~ 1) kHz	6.6×10^{-4}	
		(1 ~ 10) kHz	6.6×10^{-4}	
		(10 ~ 100) kHz	4.1×10^{-3}	
		Frequence responses (0 ~ 10) mV		
		(0.04 ~ 1) kHz	4.4×10^{-4}	
		(1 ~ 10) kHz	4.3×10^{-4}	
		(10 ~ 100) kHz	1.4×10^{-3}	
		(10 ~ 100) mV		
		(0.04 ~ 1) kHz	8.9×10^{-4}	
		(1 ~ 10) kHz	8.9×10^{-4}	
		(10 ~ 100) kHz	5.2×10^{-3}	
		(0.1 ~ 1) V		
		(0.04 ~ 1) kHz	6.6×10^{-4}	
		(1 ~ 10) kHz	6.6×10^{-4}	
		(10 ~ 100) kHz	4.1×10^{-3}	
		(1 ~ 10) V		
		(0.04 ~ 1) kHz	6.6×10^{-4}	
		(1 ~ 10) kHz	6.6×10^{-4}	
		(10 ~ 100) kHz	4.1×10^{-3}	
		DC Offset (-20 ~ 20) V	6.1×10^{-4}	
AC/DC high voltage volt meters	40413			High voltage supply UNT-CAL-40413
		DC voltage (0 ~ 20) kV	2.7×10^{-2}	
		(20 ~ 40) kV	1.7×10^{-2}	
		(40 ~ 60) kV	1.5×10^{-2}	

404. Order DC & LF Measurements 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.
LF impulse generators	40414	Impulse voltage	(0 ~ 1) kV	5.3×10^{-2} Digital Oscilloscope, High probe
			(1 ~ 5) kV	4.4×10^{-2} UNT-CAL-40414
			(5 ~ 10) kV	4.7×10^{-2}
			(10 ~ 20) kV	3.9×10^{-2}
		Pulse width Rise time	(0 ~ 10) ns	5.9×10^{-3}
			(10 ~ 100) ns	5.9×10^{-3}
			(0.1 ~ 1) μ s	5.9×10^{-3}
			(1 ~ 10) μ s	5.9×10^{-3}
			(10 ~ 100) μ s	5.9×10^{-3}
			(0.1 ~ 1) ms	5.9×10^{-3}
			(1 ~ 10) ms	5.9×10^{-3}
Leakage current testers	40416	AC voltage	40 Hz	Calibrator UNT-CAL-40416
			(0 ~ 0.1) V	3.4×10^{-3}
			(0.1 ~ 1) V	3.1×10^{-3}
			(1 ~ 10) V	3.1×10^{-3}
			(10 ~ 100) V	3.1×10^{-3}
			(100 ~ 1 000) V	3.8×10^{-3}
			40 Hz ~ 1 kHz	
			(0 ~ 0.1) V	3.1×10^{-3}
			(0.1 ~ 1) V	2.9×10^{-3}
			(1 ~ 10) V	2.9×10^{-3}
DC current	40416	DC current	(10 ~ 100) V	2.9×10^{-3}
			(100 ~ 1 000) V	2.9×10^{-3}
			(0 ~ 0.1) mA	3.1×10^{-2}
			(0.1 ~ 1) mA	3.1×10^{-2}
			(1 ~ 10) mA	3.1×10^{-2}
			(10 ~ 100) mA	3.1×10^{-2}

404. Order DC & LF Measurements 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.
Leakage current testers	40416			Calibrator
AC current		50 Hz ~ 1 kHz		UNT-CAL-40416
		(0 ~ 1) mA	3.1×10^{-2}	
		(1 ~ 10) mA	3.1×10^{-2}	
		(10 ~ 100) mA	3.1×10^{-2}	
Electronic AC/DC loads	40417			Calibrator,
DC voltage		(0 ~ 10) V	6.1×10^{-5}	Current shunt,
		(10 ~ 20) V	3.2×10^{-5}	Digital multimeter
		(20 ~ 30) V	2.5×10^{-5}	UNT-CAL-40417
		(30 ~ 40) V	2.0×10^{-5}	
		(40 ~ 50) V	1.6×10^{-5}	
		(50 ~ 60) V	1.7×10^{-5}	
		(60 ~ 100) V	6.1×10^{-5}	
		(100 ~ 200) V	3.5×10^{-5}	
		(200 ~ 300) V	2.5×10^{-5}	
		(300 ~ 400) V	2.0×10^{-5}	
		(400 ~ 500) V	1.6×10^{-5}	
DC current		(0 ~ 1) A	2.0×10^{-3}	
		(1 ~ 10) A	1.9×10^{-3}	
		(10 ~ 60) A	1.8×10^{-3}	
Modulation meters	40418			Modulation meter
AM modulation		1 000 Hz		UNT-CAL-40418
		(0 ~ 5) %	3.2×10^{-2}	
		(5 ~ 10) %	3.2×10^{-2}	
		(10 ~ 30) %	3.1×10^{-2}	
		(30 ~ 80) %	2.1×10^{-2}	
		(80 ~ 90) %	3.1×10^{-2}	
		(90 ~ 99) %	3.2×10^{-2}	

404. Order DC & LF Measurements 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.
Modulation meters	40418			Modulation meter
FM modulation		(0 ~ 1) kHz	4.0×10^{-2}	UNT-CAL-40418
		(1 ~ 10) kHz	3.2×10^{-2}	
		(10 ~ 30) kHz	3.2×10^{-2}	
		(30 ~ 100) kHz	3.2×10^{-2}	
		(100 ~ 200) kHz	3.2×10^{-2}	
		(200 ~ 300) kHz	3.2×10^{-2}	
		(300 ~ 400) kHz	3.3×10^{-2}	
Analogu/Digital multimeters	40419			Calibrator
DC voltage		(0 ~ 100) mV	5.0×10^{-5}	UNT-CAL-40419
		(0.1 ~ 1) V	1.7×10^{-5}	
		(1 ~ 10) V	1.4×10^{-5}	
		(10 ~ 100) V	1.8×10^{-5}	
		(100 ~ 1 000) V	1.9×10^{-5}	
DC current		(0 ~ 100) μ A	5.3×10^{-4}	
		(0.1 ~ 1) mA	1.3×10^{-4}	
		(1 ~ 10) mA	1.3×10^{-4}	
		(10 ~ 100) mA	1.4×10^{-4}	
		(0.1 ~ 1) A	2.6×10^{-4}	
		(1 ~ 10) A	1.0×10^{-3}	
AC voltage		40 Hz		
		(0 ~ 100) mV	7.9×10^{-4}	
		(0.1 ~ 1) V	3.9×10^{-4}	
		(1 ~ 10) V	3.8×10^{-4}	
		(10 ~ 100) V	2.7×10^{-4}	
		(100 ~ 1 000) V	5.0×10^{-4}	

404. Order DC & LF Measurements 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.
Analogu/Digital multimeters	40419			Calibrator
AC voltage		40 Hz ~ 1 kHz		UNT-CAL-40419
		(0 ~ 100) mV	6.8×10^{-4}	
		(0.1 ~ 1) V	2.4×10^{-4}	
		(1 ~ 10) V	1.8×10^{-4}	
		(10 ~ 100) V	1.9×10^{-4}	
		(100 ~ 1 000) V	1.8×10^{-4}	
		1 kHz ~ 10 kHz		
		(0 ~ 100) mV	6.8×10^{-4}	
		(0.1 ~ 1) V	2.4×10^{-4}	
		(1 ~ 10) V	1.8×10^{-4}	
		(10 ~ 100) V	1.9×10^{-4}	
		10 kHz ~ 20 kHz		
		(0 ~ 100) mV	8.4×10^{-4}	
		(0.1 ~ 1) V	3.7×10^{-4}	
		(1 ~ 10) V	4.0×10^{-4}	
		(10 ~ 100) V	4.4×10^{-4}	
		20 kHz ~ 50 kHz		
		(0 ~ 100) mV	2.4×10^{-3}	
		(0.1 ~ 1) V	4.2×10^{-4}	
		(1 ~ 10) V	4.4×10^{-4}	
		(10 ~ 100) V	6.8×10^{-4}	
		50 kHz ~ 100 kHz		
		(0 ~ 100) mV	2.5×10^{-3}	
		(0.1 ~ 1) V	7.8×10^{-4}	
		(1 ~ 10) V	6.2×10^{-4}	
		(10 ~ 100) V	7.2×10^{-4}	
AC current		50 Hz		
		(0 ~ 1) mA	5.7×10^{-4}	
		(1 ~ 10) mA	4.8×10^{-4}	
		(10 ~ 100) mA	4.8×10^{-4}	
		(0.1 ~ 1) A	9.9×10^{-4}	
		(1 ~ 10) A	1.9×10^{-3}	

404. Order DC & LF Measurements 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.
Analogu/Digital multimeters	40419			Calibrator
AC current		50 Hz ~ 1 kHz		UNT-CAL-40419
		(0 ~ 1) mA	4.3×10^{-4}	
		(1 ~ 10) mA	3.0×10^{-4}	
		(10 ~ 100) mA	3.0×10^{-4}	
		(0.1 ~ 1) A	9.9×10^{-4}	
		(1 ~ 10) A	2.3×10^{-3}	
		1 kHz ~ 10 kHz		
		(0 ~ 1) mA	2.8×10^{-3}	
		(1 ~ 10) mA	2.8×10^{-3}	
		(10 ~ 100) mA	2.8×10^{-3}	
		(0.1 ~ 1) A	1.1×10^{-2}	
Resistance		1 Ω	1.1×10^{-4}	
		10 Ω	3.3×10^{-5}	
		100 Ω	2.1×10^{-5}	
		1 kΩ	1.6×10^{-5}	
		10 kΩ	1.5×10^{-5}	
		100 kΩ	1.7×10^{-5}	
		1 MΩ	2.4×10^{-5}	
		10 MΩ	4.7×10^{-5}	
Oscilloscope	40421			Oscilloscope
DC voltage		(0 ~ 1) mV	2.3×10^{-1}	calibrator
		(1 ~ 2) mV	1.2×10^{-1}	UNT-CAL-40421
		(2 ~ 5) mV	5.0×10^{-2}	
		(5 ~ 10) mV	2.7×10^{-2}	
		(10 ~ 20) mV	1.6×10^{-2}	

404. Order DC & LF Measurements 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.
Oscilloscope	40421	(20 ~ 50) mV	8.6×10^{-3}	Oscilloscope calibrator
		(50 ~ 100) mV	6.4×10^{-3}	UNT-CAL-40421
		(100 ~ 200) mV	5.0×10^{-3}	
		(200 ~ 500) mV	4.6×10^{-3}	
		(0.5 ~ 1) V	4.3×10^{-3}	
		(1 ~ 2) V	4.2×10^{-3}	
		(2 ~ 5) V	4.2×10^{-3}	
		(5 ~ 10) V	4.1×10^{-3}	
		(10 ~ 20) V	4.1×10^{-3}	
		(0 ~ 50) kHz	2.3×10^{-2}	
Bandwidth		(50 ~ 100) kHz	4.2×10^{-2}	
		(0.1 ~ 1) MHz	4.5×10^{-2}	
		(1 ~ 10) MHz	4.7×10^{-2}	
		(10 ~ 50) MHz	4.7×10^{-2}	
		(50 ~ 100) MHz	4.7×10^{-2}	
		(100 ~ 200) MHz	5.2×10^{-2}	
Time Marker		(0 ~ 2) ns	3.1×10^{-4}	
		(2 ~ 5) ns	1.2×10^{-4}	
		(5 ~ 10) ns	6.1×10^{-4}	
		(10 ~ 20) ns	3.1×10^{-4}	
		(20 ~ 50) ns	1.2×10^{-4}	
		(50 ~ 100) ns	6.1×10^{-4}	
		(100 ~ 200) ns	3.1×10^{-4}	
		(200 ~ 500) ns	1.2×10^{-4}	

404. Order DC & LF Measurements 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.
Oscilloscope	40421			Oscilloscope
Time Marker		(0.5 ~ 1) μ s	6.1×10^{-4}	calibrator
		(1 ~ 2) μ s	3.1×10^{-4}	UNT-CAL-40421
		(2 ~ 5) μ s	1.2×10^{-4}	
		(5 ~ 10) μ s	6.1×10^{-4}	
		(10 ~ 20) μ s	3.1×10^{-4}	
		(20 ~ 50) μ s	1.2×10^{-4}	
		(50 ~ 100) μ s	6.1×10^{-4}	
		(100 ~ 200) μ s	3.1×10^{-4}	
		(200 ~ 500) μ s	1.2×10^{-4}	
		(0.5 ~ 1) ms	6.1×10^{-4}	
		(1 ~ 2) ms	3.1×10^{-4}	
		(2 ~ 5) ms	1.2×10^{-4}	
		(5 ~ 10) ms	6.1×10^{-4}	
		(10 ~ 20) ms	3.1×10^{-4}	
		(20 ~ 50) ms	1.4×10^{-4}	
		(50 ~ 100) ms	6.1×10^{-4}	
		(100 ~ 200) ms	3.1×10^{-4}	
		(200 ~ 500) ms	1.4×10^{-4}	
		(0.5 ~ 1) s	6.1×10^{-4}	
		(1 ~ 2) s	3.1×10^{-4}	
		(2 ~ 5) s	1.3×10^{-4}	
Cal. Out put voltage	40 Hz			
		(0 ~ 100) mV	2.0×10^{-4}	
		(0.1 ~ 0.5) V	2.0×10^{-4}	
		(0.5 ~ 0.6) V	1.7×10^{-4}	
		(0.6 ~ 1) V	1.4×10^{-4}	
		(1 ~ 5) V	1.8×10^{-4}	
		(5 ~ 10) V	1.3×10^{-4}	

404. Order DC & LF Measurements 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.
Oscilloscope	40421			Oscilloscope
Cal. Out put voltage		40 Hz ~ 1 kHz		calibrator
		(0 ~ 100) mV	2.0×10^{-4}	UNT-CAL-40421
		(0.1 ~ 0.5) V	1.6×10^{-4}	
		(0.5 ~ 0.6) V	1.5×10^{-4}	
		(0.6 ~ 1) V	1.1×10^{-4}	
		(1 ~ 5) V	1.7×10^{-4}	
		(5 ~ 10) V	1.1×10^{-4}	
		1 kHz ~ 10 kHz		
		(0 ~ 100) mV	3.0×10^{-4}	
		(0.1 ~ 0.5) V	1.8×10^{-4}	
		(0.5 ~ 0.6) V	1.7×10^{-4}	
		(0.6 ~ 1) V	1.3×10^{-4}	
		(1 ~ 5) V	1.8×10^{-4}	
		(5 ~ 10) V	1.4×10^{-4}	
CAL.Out frequency		(0 ~ 0.1) kHz	6.2×10^{-4}	
		(0.1 ~ 1) kHz	6.2×10^{-4}	
		(1 ~ 10) kHz	6.2×10^{-5}	
		(10 ~ 100) kHz	6.2×10^{-7}	
		(0.1 ~ 1) MHz	6.2×10^{-8}	
		(1 ~ 10) MHz	6.4×10^{-9}	
Volt/Current recorders	40424			Voltage/Current
DC voltage		(0 ~ 10) mV	4.6×10^{-4}	calibrator
		(10 ~ 100) mV	2.9×10^{-4}	UNT-CAL-40424
		(0.1 ~ 1) V	2.9×10^{-4}	
		(1 ~ 10) V	2.9×10^{-4}	
		(10 ~ 100) V	2.9×10^{-4}	
		(100 ~ 1 000) V	2.9×10^{-4}	
DC current		(0 ~ 10) uA	3.1×10^{-2}	
		(10 ~ 100) uA	4.3×10^{-3}	
		(0.1 ~ 1) mA	2.9×10^{-3}	
		(1 ~ 10) mA	2.9×10^{-3}	
		(10 ~ 100) mA	2.9×10^{-3}	
		(0.1 ~ 1) A	3.0×10^{-3}	
		(1 ~ 10) A	3.1×10^{-3}	

404. Order DC & LF Measurements 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.
Relay test sets	40425			Digital Multimeter, Current shunt UNT-CAL-40425
AC voltage		40 Hz ~ 1 kHz		
		(0 ~ 10) V	6.2×10^{-4}	
		(10 ~ 20) V	3.2×10^{-4}	
		(20 ~ 30) V	3.7×10^{-4}	
		(30 ~ 40) V	2.8×10^{-4}	
		(40 ~ 50) V	2.4×10^{-4}	
		(50 ~ 60) V	2.0×10^{-4}	
		(60 ~ 70) V	1.9×10^{-4}	
		(70 ~ 80) V	1.6×10^{-4}	
		(80 ~ 90) V	1.6×10^{-4}	
		(90 ~ 100) V	6.2×10^{-4}	
		(100 ~ 200) V	3.3×10^{-4}	
		(200 ~ 300) V	4.0×10^{-4}	
		(300 ~ 400) V	3.0×10^{-4}	
		(400 ~ 500) V	2.4×10^{-4}	
		(500 ~ 600) V	2.2×10^{-4}	
DC voltage		(0 ~ 99.99) V	6.1×10^{-5}	
		(99.99 ~ 1 000) V	6.1×10^{-5}	
DC current		(0 ~ 1) A	5.1×10^{-3}	
		(1 ~ 2) A	2.6×10^{-3}	
		(2 ~ 5) A	3.8×10^{-3}	
		(5 ~ 10) A	2.0×10^{-3}	
		(10 ~ 20) A	1.2×10^{-3}	
		(20 ~ 40) A	4.8×10^{-3}	
		(40 ~ 60) A	3.2×10^{-3}	
		(60 ~ 80) A	2.4×10^{-3}	
		(80 ~ 100) A	1.9×10^{-3}	

404. Order DC & LF Measurements 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.
LF signal generators	40426			Digital Multimeter, Frequency counter UNT-CAL-40426
Out frequence		(0 ~ 1) Hz	1.0×10^{-2}	
		(1 ~ 10) Hz	1.2×10^{-3}	
		(10 ~ 100) Hz	5.8×10^{-4}	
		(0.1 ~ 1) kHz	5.7×10^{-4}	
		(1 ~ 10) kHz	5.7×10^{-4}	
		(10 ~ 100) kHz	5.7×10^{-4}	
		(0.1 ~ 1) MHz	5.7×10^{-4}	
		(1 ~ 10) MHz	5.7×10^{-4}	
		(10 ~ 20) MHz	2.9×10^{-4}	
Out put level		(0 ~ 10) mV		
		(0.04 ~ 1) kHz	3.0×10^{-3}	
		(1 ~ 10) kHz	3.0×10^{-3}	
		(10 ~ 100) kHz	4.3×10^{-3}	
		(10 ~ 100) mV		
		(0.04 ~ 1) kHz	3.1×10^{-3}	
		(1 ~ 10) kHz	3.1×10^{-3}	
		(10 ~ 100) kHz	6.6×10^{-3}	
		(0.1 ~ 1) V		
		(0.04 ~ 1) kHz	3.0×10^{-3}	
		(1 ~ 10) kHz	3.0×10^{-3}	
		(10 ~ 100) kHz	5.0×10^{-3}	
		(0.1 ~ 1) MHz	1.7×10^{-1}	
		(1 ~ 10) V		
		(0.04 ~ 1) kHz	3.0×10^{-3}	
		(1 ~ 10) kHz	3.0×10^{-3}	
		(10 ~ 100) kHz	5.0×10^{-3}	
		(0.1 ~ 1) MHz	1.7×10^{-1}	

404. Order DC & LF Measurements 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.
LF signal generators	40426			Digital Multimeter, Frequency counter UNT-CAL-40426
		Out put level		
		(10 ~ 20) V		
		(0.04 ~ 1) kHz	5.8×10^{-4}	
		(1 ~ 10) kHz	5.9×10^{-4}	
		(10 ~ 100) kHz	1.0×10^{-3}	
		(0.1 ~ 1) MHz	3.4×10^{-2}	
AC/DC high voltage generators	40434			High voltage meter UNT-CAL-40434
		AC voltage		
		60 Hz		
		(0 ~ 5) kV	1.6×10^{-2}	
		(5 ~ 10) kV	1.6×10^{-2}	
		(10 ~ 15) kV	1.5×10^{-2}	
		(15 ~ 19) kV	1.5×10^{-2}	
		(19 ~ 20) kV	1.7×10^{-2}	
		(20 ~ 40) kV	1.6×10^{-2}	
		(40 ~ 60) kV	1.6×10^{-2}	
		(60 ~ 80) kV	1.6×10^{-2}	
		(80 ~ 100) kV	1.5×10^{-2}	
		DC voltage		
		(0 ~ 5) kV	1.2×10^{-2}	
		(5 ~ 10) kV	1.2×10^{-2}	
		(10 ~ 15) kV	1.1×10^{-2}	
		(15 ~ 19) kV	1.2×10^{-2}	
		(19 ~ 20) kV	1.4×10^{-2}	
		(20 ~ 40) kV	1.3×10^{-2}	
		(40 ~ 60) kV	1.2×10^{-2}	
		(60 ~ 80) kV	1.2×10^{-2}	
		(80 ~ 95) kV	1.3×10^{-2}	

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: oven, furnaces, isothermal liquid bath, ice-point,dry-block calibrators	50101			SPRT, Thermocouple, Temperature recorder / UNT-CAL-50101
Ovens		(-70 ~ 250) °C	1.2 °C	
Isothermal liquid baths		(-70 ~ 250) °C	0.06 °C	
Ice-point baths		0 °C	0.011 °C	
Dry-block calibrators		(-70 ~ 400) °C	0.1 °C	
Temperature indicators/recorders/controlle temperature calibrators	50102			SPRT, Thermocouple, Calibrator
resistance type(sensor included)		(-70 ~ 250) °C	0.04 °C	
Thermocouple type(sensor included)		(250 ~ 1 100) °C	2.4 °C	/ UNT-CAL-50102
		(1 100 ~ 1 500) °C	3.1 °C	
resistance type(sensor excepted)		(-70 ~ 250) °C	0.02 °C	
Thermocouple type(sensor excepted)		(-70 ~ 1 500) °C	0.06 °C	
Glass thermometers: liquid-in-glass, Beckmann	50103	(-70 ~ 250) °C	0.051 °C	SPRT/UNT-CAL-50103
Resistance thermometers: SPRT,IPRT, thermistors. Etc	50104	(-70 ~ 250) °C	0.06 °C	SPRT/UNT-CAL-50104
Thermal expansion thermometers: bimetal, gas or bimetal	50105	(-70 ~ 250) °C	0.37 °C	SPRT/UNT-CAL-50105
Thermocouples: noble metal, base metal, pure metal,special type, etc.	50106			SPRT, Thermocouple / UNT-CAL-50106
Base metal		(-70 ~ 250) °C	0.6 °C	
		(250 ~ 1 100) °C	2.4 °C	
		(1 100 ~ 1 300) °C	3.9 °C	
Noble metal		(250 ~ 1 100) °C	1.1 °C	
		(1 100 ~ 1 500) °C	3.1 °C	

503. Humidity

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Relative humidity hygrometers; polimer thinfilm, hair, etc. Relative humidity temperature	50302	(25 ~ 90) % R.H. (-40 ~ 140) °C	2.1 % R.H. 0.68 °C	Dew point thermometer / UNT-CAL-50302-1 / UNT-CAL-50302-2
Temperature humidity recorders; Hygrothermograph, etc Relative humidity temperature	50304	(25 ~ 90) % R.H. (-20 ~ 50) °C	3.2 % R.H. 1.1 °C	Dew point thermometer / UNT-CAL-50304
Humidity generators; two- pressure, two-temperature, flow mixing humidity generator, constant temperature and humidity constant temperature and humidity chamber (Relative humidity) constant temperature and humidity chamber (temperature)	50306			Dew point thermometer / UNT-CAL-5036

901. Chemical analysis

Measured Quantity Instrument or Gauge	Field Code	Range	Measurement uncertainty (The Confidence Level is about 95 %)	Standard/Method of Measurement etc.
Gas analyzers / Oxygen Carbon monoxide Hydrongen sulfide Methane Carbon Dioxide Isobutane Hydrogen	90103	(0 ~ 21) cmol/mol (0 ~ 100) µmol/mol (0 ~ 25) µmol/mol (0 ~ 2.5) cmol/mol (0 ~ 5 000) µmol/mol (0.5 ~ 5) cmol/mol (0 ~ 0.8) cmol/mol (0 ~ 1 000) µmol/mol (1 ~ 2) cmol/mol	2.0×10^{-2} 2.4×10^{-2} 4.6×10^{-2} 2.1×10^{-2} 2.0×10^{-2} 1.9×10^{-2} 1.6×10^{-2} 1.3×10^{-2} 1.6×10^{-2}	Standard gas / UNT-CAL-90103