National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

RK TECHNOLOGIES

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

PLOT NO. AM-19, B-703, PATEL BLISS, ANAND NAGAR MIDC, AMBERNATH, THANE, MAHARASHTRA, INDIA

in the field of

CALIBRATION

Certificate Number: CC-3759

Issue Date: 17/11/2025 **Valid Until:** 16/11/2029

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of thislaboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: RK TECHNOLOGIES

Signed for and on behalf of NABL

Anita Rani
Director

Chakravarthy T. Kannan
Chief Executive Officer

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor - Analog / Digital (L.C.: 1 minute of arc & Coarser)	Using Profile Projector by Comparison Method	0 ° to 360 °	5.8 minute of arc
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge / Two Pin Dial - Transmission Error (L.C.: 0.1 µm & Coarser)	Using Universal Length Measuring Machine & Digital Indicator by Comparison Method	0 to 5 mm	0.8 µm
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Dial / Vernier / Digital (L.C.: 10 µm & Coarser)	Using Slip Gauge, Long Slip Gauge and Accessories by Comparison Method	0 to 600 mm	8.3 µm
4	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Dial / Vernier / Digital (L.C.: 20 µm & Coarser)	Using Slip Gauge, Long Slip Gauge and Accessories by Comparison Method	0 to 2000 mm	24.6 µm
5	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Dial / Vernier / Digital (L.C.: 10 µm & Coarser)	Using Slip Gauge, Long Slip Gauge and Accessories by Comparison Method	0 to 1500 mm	16.7 µm
6	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Chamfer Gauge - Analog / Digital (L.C.: 10 µm and Coarser)	Using Slip Gauges by Comparison Method	0 to 25 mm	8.6 µm

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7	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge - Analog / Digital (L.C.: 0.1 µm & Coarser)	Using Thickness Foil by Comparison Method	0.01 mm to 2 mm	1.4 µm
8	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge - Analog / Digital (L.C.: 1 µm & Coarser)	Using Thickness Foil by Comparison Method	0.01 mm to 2.628 mm	2.4 µm
9	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge - Analog / Digital (L.C.: 10 µm & Coarser)	Using Foils by Comparison Method	0.01 mm to 9.331 mm	7 µm
10	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Combination Set, Degree Protractor, Angle Protractor (L.C.: 1° & Coarser)	Using Profile Projector by Comparison Method	0 ° to 180 °	18.3 minute of arc
11	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Caliper - Vernier / Dial / Digital (L.C.: 10 µm & Coarser)	Using Slip Gauge Blocks, Long Slip Gauge, Surface Plate by Comparison Method	0 to 600 mm	10.2 µm
12	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer - Analog / Digital (L.C.: 10 µm & Coarser)	Using Slip Gauge Blocks, Surface Plate by Comparison Method	0 to 300 mm	8.7 µm

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13	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Depth Gauge - Dial / Digital / Analog (L.C.: 1 µm & Coarser)	Using Slip Gauge Block, Surface Plate by Comparison Method	0 to 200 mm	8.2 µm
14	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge (L.C.: 10 µm and Coarser)	Using Slip Gauges by Comparision Method	0 to 30 mm	5.8 µm
15	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Digital Protractor, Digital Level, Inclinometer (L.C.: 0.05 ° & Coarser)	Using Angle Gauges by Comparison Method	0 ° to 180 °	6 minute of arc
16	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Square - Parallelism of Stock	Using Lever Dial, Surface Plate by Comparison Method	30 mm to 300 mm	7.2 µm
17	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Square - Squareness	Using Granite Square, Slip Gauge and Surface Plate by Comparison Method	30 mm to 300 mm	13.2 µm
18	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Square - Straightness of Blade Edge	Using Granite Square by Comparison Method	30 mm to 300 mm	6.8 µm

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19	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer - Analog / Digital (L.C.: 1 µm and Coarser)	Using Slip Gauges by Comparison Method	0 to 100 mm	0.85 µm
20	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer - Analog / Digital (L.C.: 1 µm and Coarser)	Using Slip Gauges, Long Slip Gauge by Comparison Method	100 mm to 400 mm	3.7 µm
21	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer - Analog / Digital (L.C.: 10 µm and Coarser)	Using Slip Gauges, Long Slip Gauge by Comparison Method	300 mm to 1300 mm	13 µm
22	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Universal Length Measuring Machine by Comparison Method	0.02 mm to 5 mm	0.8 µm
23	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Flakiness Gauge, Elongation Gauge - Linear	Using Profile Projector by Comparison Method	4.5 mm to 81 mm	6.2 µm
24	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Foil	Using Universal Length Measuring Machine by Comparison Method	0.01 mm to 24 mm	0.8 µm

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25	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Dial / Vernier / Digital (L.C.: 10 µm and Coarser)	Using Slip Gauges, Long Slip Gauges, Surface Plate by Comparison Method	0 to 1000 mm	10.6 µm
26	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Dial / Vernier / Digital (L.C.: 10 µm and Coarser)	Using Slip Gauges, Long Slip Gauges, Surface Plate by Comparison Method	0 to 600 mm	9.4 µm
27	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inside Dial Caliper (L.C.: 1 µm and Coarser)	Using Slip Gauges and Accessories by Comparison Method	2.5 mm to 50 mm	3.6 µm
28	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inside Dial Caliper (L.C.: 10 µm and Coarser)	Using Slip Gauges and Accessories by Comparison Method	10 mm to 200 mm	8.1 µm
29	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer (Caliper Type) (L.C.: 1 µm and Coarser)	Using Slip Gauges and Accessories by Comparison Method	2.5 mm to 50 mm	6.6 µm
30	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer / Stick Micrometer / Extension Rod (L.C.: 0.01 mm and Coarser)	Using Universal Length Measuring Machine, Long Slip Gauges by Comparison Method	12 mm to 600 mm	6 µm

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31	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge (L.C.: 2 µm & Coarser)	Using Universal Length Measuring Machine by Comparison Method	0 to 0.2 mm	1.3 µm
32	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge (L.C.: 1 µm and Coarser)	Using Universal Length Measuring Machine by Comparison Method	0 to 0.14 mm	0.8 µm
33	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge (L.C.: 10 µm & Coarser)	Using Universal Length Measuring Machine by Comparison Method	0 to 0.8 mm	5.8 µm
34	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Pin	Using Universal Length Measuring Machine by Comparison Method	0.17 mm to 20 mm	0.8 µm
35	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Head - Analog / Digital (L.C.: 1 µm and Coarser)	Using Universal Length Measuring Machine by Comparison Method	0 to 25 mm	0.9 µm
36	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Universal Length Measuring Machine, Long Slip Gauges by Comparison Method	125 mm to 575 mm	5.4 µm

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37	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Universal Length Measuring Machine by Comparison Method	25 mm to 100 mm	1.1 µm
38	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Digital Indicator with Stand, Long Slip Gauges, Surface Plate by Comparison Method	600 mm to 1275 mm	14.5 µm
39	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Mould - Cube / Beam / Cylindrical - Length	Using Digital Vernier Caliper by Comparison Method	10 mm to 150 mm	24.6 µm
40	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	OD Gauge - Diameter	Using Universal Length Measuring Machine by Comparison Method	3 mm to 70 mm	0.8 µm
41	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Outside Caliper - Analog / Digital (L.C.: 10 µm and Coarser)	Using Slip Gauges by Comparison Method	0 to 100 mm	8.3 µm
42	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper (L.C.: 0.1 mm and Coarser)	Using Slip Gauges by Comparison Method	0 to 100 mm	72.7 µm

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43	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge, Paddle Type Plug Gauge	Using Universal Length Measuring Machine by Comparison Method	0.2 mm to 100 mm	1.3 µm
44	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge, Paddle Type Plug Gauge	Using Universal Length Measuring Machine, Long Slip Gauge by Comparison Method	100 mm to 400 mm	1.7 µm
45	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge, Master Ring Gauge, Setting Ring Gauge - Inside Diameter	Using Universal Length Measuring Machine, Plain Ring Gauge by Comparison Method	100 mm to 300 mm	2.35 µm
46	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge, Master Ring Gauge, Setting Ring Gauge - Inside Diameter	Using Universal Length Measuring Machine, Plain Ring Gauge by Comparison Method	3 mm to 100 mm	2.12 µm
47	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge - Analog / Digital (L.C.: 0.5 µm and Coarser)	Using Universal Length Measuring Machine by Comparison Method	(-) 50 µm to 50 µm	0.7 µm
48	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge - Analog / Digital (L.C.: 1 µm and Coarser)	Using Universal Length Measuring Machine by Comparison Method	0 to 50 mm	0.92 µm

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49	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge - Analog / Digital (L.C.: 0.01 mm & Coarser)	Using Universal Length Measuring Machine by Comparison Method	0 to 100 mm	5.9 µm
50	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Template, Radius Gauge - Convex and Concave	Using Profile Projector by Comparison Method	0.5 mm to 100 mm	16.5 µm
51	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Slump Cone with Tamping Rod	Using Digital Vernier Caliper by Comparison Method	Up to 300 mm	21.7 µm
52	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge, Gap Gauge	Using Slip Gauges, Long Slip Gauges by Comparison Method	200 mm to 520 mm	2.3 µm
53	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge, Gap Gauge	Using Slip Gauges by Comparison Method	3 mm to 200 mm	1.8 µm
54	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spline Plug Gauge - Diameter Over Pin	Using Universal Length Measuring Machine and Pin Gauge by Comparison Method	3 mm to 100 mm	1.5 µm

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55	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spline Plug Gauge - Effective Diameter	Using Universal Length Measuring Machine and Pin Gauge by Comparison Method	3 mm to 100 mm	1.5 µm
56	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spline Ring Gauge - Dimension Between Pin	Using Slip Gauges and Pin Gauge by Comparison Method	10 mm to 100 mm	1.5 µm
57	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spline Ring Gauge - Effective Diameter	Using Slip Gauges and Pin Gauge by Comparison Method	10 mm to 100 mm	1.5 µm
58	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Profile Gauge (L.C.: 1 µm & Coarser)	Using Dial Gauge Calibrator by Comparison Method	0 to 1 mm	3 µm
59	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Plain Plug Gauge - Angular	Using Universal Length Measuring Machine by Comparison Method	Up to 10 °	47 second of arc
60	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Plain Plug Gauge - Linear	Using Universal Length Measuring Machine, Measuring Pin by Comparison Method	5 mm to 100 mm	1.6 µm

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61	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Plain Ring Gauge - Angular	Using Universal Length Measuring Machine by Comparison Method	Up to 10 °	48 second of arc
62	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Plain Ring Gauge - Linear	Using Universal Length Measuring Machine & Slip Gauge by Comparison Method	3 mm to 50 mm	1.5 µm
63	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Scale, Taper Bore Gauge, Taper Gauge, Taper Slot Gauge - Linear (L.C.: 0.1 mm and Coarser)	Using Profile Projector by Comparison Method	0 to 100 mm	58.3 µm
64	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Thread Plug Gauge - Effective Diameter	Using Universal Length Measuring Machine, Thread Measuring Wire, Slip Gauge by Comparison Method	4 mm to 111 mm	1.4 µm
65	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Thread Ring Gauge - Effective Diameter	Using Universal Length Measuring Machine, Plain Ring Gauge by Comparison Method	3 mm to 100 mm	1.91 µm
66	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve	Using Profile Projector by Comparison Method	0.1 mm to 10 mm	6.1 µm

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67	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve, Wire Mesh	Using Digital Caliper by Comparison Method	10 mm to 125 mm	21.5 µm
68	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Block, Step Gauge, Step Wedge, Riser Block - Height / Thickness	Using Universal Length Measuring Machine by Comparison Method	1 mm to 480 mm	4.9 µm
69	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Measuring Wire	Using Universal Length Measuring Machine by Comparison Method	0.17 mm to 6.35 mm	0.8 µm
70	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Gauge, Gear Tooth Gauge, Cross Hatch Tester, Notch / Acme Screw Pitch Gauge - Profile - Angle	Using Profile Projector by Comparison Method	0 to 60 °	5.2 minute of arc
71	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Gauge, Gear Tooth Gauge, Cross Hatch Tester, Notch Profile, Acme Screw Pitch Gauge - Pitch	Using Profile Projector by Comparison Method	0.17 mm to 25.4 mm	6 µm
72	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Micrometer (L.C.: 0.01 mm and Coarser)	Using Slip Gauges by Comparison Method	0 to 50 mm	5.8 µm

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73	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Micrometer (Anvils) - Angle	Using Profile Projector by Comparison Method	55° & 60°	6.63 minute of arc
74	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge - Effective Diameter	Using Universal Length Measuring Machine, Thread Measuring Wire, Slip Gauge by Comparison Method	100 mm to 450 mm	4.6 µm
75	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge - Effective Diameter	Using Universal Length Measuring Machine, Thread Measuring Wire by Comparison Method	2 mm to 100 mm	1.35 µm
76	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge - Effective Diameter	Using Universal Length Measuring Machine, Plain Ring Gauge by Comparison Method	3 mm to 100 mm	1.9 µm
77	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge - Effective Diameter	Using Universal Length Measuring Machine, Plain Ring Gauge by Comparison Method	100 mm to 400 mm	3.25 µm
78	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Three Point Micrometer - Analog / Digital (L.C.: 5 µm & Coarser)	Using Universal Length Measuring Machine and 60°Angle Accessories by Comparison Method	3 mm to 88 mm	3.3 µm

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79	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ultrasonic Thickness Gauge (L.C.: 0.01 mm and Coarser)	Using Slip Gauges by Comparison Method	0 to 200 mm	6.8 µm
80	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ultrasonic Thickness Gauge (L.C.: 0.1 mm and Coarser)	Using Slip Gauges by Comparison Method	0 to 300 mm	57.8 µm
81	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block - Parallelism	Using Lever Dial by Comparison Method	0 to 200 mm	6.9 µm
82	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block - Squareness	Using Granite Square, Slip Gauge & Surface Plate by Comparison Method	0 to 200 mm	13.1 µm
83	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block - Symmetricity	Using Straight Mandrel & Lever Dial by Comparison Method	0 to 200 mm	7.3 µm
84	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vicat Apparatus - Linear (L.C.: 1 mm & Coarser)	Using Profile Projector by Comparison Method	0 to 50 mm	614 µm

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85	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Welding Fillet Gauge, Template, HI LO Gauge, Vicker Gauge, Welding Gauge, Weld Gauge, Bridge CAM Gauge, Form Gauge, Weld Fillet Radius Gauge - Diameter	Using Profile Projector by Comparison Method	0 to 65 mm	5.9 µm
86	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Welding Fillet Gauge, Template, HI LO Gauge, Vicker Gauge, Welding Gauge, Weld Gauge, Bridge CAM Gauge, Form Gauge, Weld Fillet Radius Gauge - Radius	Using Profile Projector by Comparison Method	0 to 65 mm	16.5 µm
87	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Welding Fillet Gauge, Template, Vickers Gauge, Form Gauge, Weld Gauge, Bridge CAM Gauge, Center Gauge, Thread Profile Gauge, Welding Chamfer Gauge, Inspection Gauge, Crimping Tool - Angle	Using Profile Projector by Comparison Method	Up to 60 °	5.8 minute of arc

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88	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Welding Fillet Gauge, Templates, HI LO Gauge, Vickers Gauge, Welding Gauge, Pipe Welding Gauge, Weld Gauge, Bridge CAM Gauge, Center Gauge, Thread Profile Gauge, Wet Film Thickness Gauge - Linear	Using Profile Projector by Comparison Method	0 to 100 mm	8.7 µm
89	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Width Gauge	Using Universal Length Measuring Machine by Comparison Method	1 mm to 120 mm	1.4 µm
90	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Wire Gauge	Using Profile Projector by Comparison Method	0.19 mm to 12.7 mm	6.2 µm
91	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Wire Mesh	Using Profile Projector by Comparison Method	0.1 mm to 10 mm	6.2 µm
92	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Electronic Level (L.C.: 0.001 mm/m & Coarser)	Using Digital Plunger Dial Gauge and Tilting Table by Comparison Method	0 to 2 mm/m	1.8 µm/m

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93	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	LVDT Sensor with Indicator, Electronic Probe with DRO, Digital Indicator, Displacement Sensor, Displacement Transducer (L.C.: 0.01 mm & Coarser)	Using Gauge Blocks, Comparator Stand by Comparison Method	0 to 100 mm	9.3 µm
94	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector, Microscope - Magnification	Using Thread Measuring Wire & Digital Caliper by Comparison Method	10 X to 100 X	0.9 %
95	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector, Video Measuring Machine - Angular (L.C.: 1 second & Coarser)	Using Angle Gauge Blocks by Comparison Method	0 ° to 360 °	0.78 minute of arc
96	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector, Video Measuring Machine, Microscope - Linear (L.C.: 0.0001 mm & Coarser)	Using Gauge Blocks by Comparison Method	0 to 200 mm	1.6 µm
97	MECHANICAL-DUROMETER	Rubber Hardness Tester, Durometer - Shore A Analog / Digital (L.C.: 0.5 Shore A and Coarser)	Using Dial Calibration Tester by Depth Indentation Method as per ASTM D2240	0 to 100 Shore	0.6 Shore
98	MECHANICAL-DUROMETER	Rubber Hardness Tester, Durometer - Shore D Analog / Digital (L.C.: 0.5 Shore D and Coarser)	Using Dial Calibration Tester by Depth Indentation Method as per ASTM D2240	0 to 100 Shore	0.28 Shore

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Site Facility					
1	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Dial / Vernier / Digital (L.C.: 10 µm and Coarser)	Using Slip Gauges, Long Slip Gauges, Surface Plate by Comparison Method	0 to 1000 mm	10.6 µm
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Slump Cone with Tamping Rod	Using Digital Vernier Caliper by Comparison Method	Up to 300 mm	21.7 µm
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate - Flatness	Using Electronic Level by Comparison Method	Up to 2000 x 1000 mm	1 x Sqrt {(L+W) / 125} µm, Where L & W are in mm
4	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	LVDT Sensor with Indicator, Electronic Probe with DRO, Digital Indicator, Displacement Sensor, Displacement Transducer (L.C.: 0.01 mm & Coarser)	Using Gauge Blocks, Comparator Stand by Comparison Method	0 to 100 mm	9.3 µm
5	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector, Microscope - Magnification	Using Thread Measuring Wire & Digital Caliper by Comparison Method	10 X to 100 X	0.9 %
6	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector, Video Measuring Machine - Angular (L.C.: 1 second & Coarser)	Using Angle Gauge Blocks by Comparison Method	0 ° to 360 °	0.78 minute of arc

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7	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector, Video Measuring Machine, Microscope - Linear (L.C.: 0.0001 mm & Coarser)	Using Gauge Blocks by Comparison Method	0 to 200 mm	1.6 µm

*** CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.**

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Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	1 A to 3 A	0.13 % to 0.12 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	1 mA to 100 mA	0.6 % to 0.17 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	10 µA to 100 µA	1.53 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	100 µA to 1 mA	1.53 % to 0.6 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	100 mA to 1 A	0.17 % to 0.13 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	3 A to 10 A	0.12 % to 0.23 %

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7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	1 V to 10 V	0.091 % to 0.070 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	10 V to 1000 V	0.07 % to 0.11 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	100 mV to 1 V	0.078 % to 0.091 %
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	2 mV to 100 mV	6.63 % to 0.078 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	11 A to 20 A	0.17 % to 1.15 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	3.3 mA to 32.999 mA	0.12 % to 0.17 %

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13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	1.1 A to 2.999 A	0.18 % to 0.17 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	3 A to 10.999 A	0.17 %
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	30 µA to 329.9 µA	0.44 % to 0.31 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	32.999 mA to 329.99 mA	0.17 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	329.9 µA to 3.2999 mA	0.31 % to 0.12 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by with Current Coil by Direct Method	10 A to 100 A	1.51 % to 1.52 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by with Current Coil Direct Method	100 A to 1000 A	1.52 %

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20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	0.33 A to 1.0999 A	0.17 % to 0.18 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	32.99 mV to 329.99 mV	0.59 % to 0.12 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	0.33 V to 3.2999 V	0.12 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	1 mV to 32.99 mV	10.56 % to 0.59 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	101.999 V to 329.99 V	0.12 %
25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	3.3 V to 32.999 V	0.12 %
26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	33 V to 101.999 V	0.12 %

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27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	330 V to 1000 V	0.12 % to 0.39 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	1 nF to 100 µF	1.2 % to 1.3 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz, 230 V, 1 A	Using Multi-Product Calibrator by Direct Method	0.2 PF (Lead/Lag) to 1 PF	0.046 %
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase AC Power @ 50 Hz, 1 V to 1000 V, 3.3 mA to 20 A , 0.2 PF Lag/Lead to UPF	Using Multi-Product Calibrator by Direct Method	10.9 mW to 20 kW	1.16 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	1 A to 3 A	0.082 % to 0.1 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	1 mA to 100 mA	0.06 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	10 µA to 100 µA	0.09 % to 0.06 %

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34	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	100 µA to 1 mA	0.06 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	100 mA to 1 A	0.06 % to 0.082 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	3 A to 10 A	0.1 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Digital Multimeter by Direct Method	1 mV to 100 mV	0.06 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Digital Multimeter by Direct Method	1 V to 10 V	0.06 % to 0.01 %
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Digital Multimeter by Direct Method	10 V to 100 V	0.01 % to 0.004 %
40	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Digital Multimeter by Direct Method	100 mV to 1 V	0.06 %

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41	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Digital Multimeter by Direct Method	100 V to 1000 V	0.004 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	High Voltage	Using High voltage Probe with Digital multimeter by Direct Method	1 kV to 20 kV	4.1 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digit Digital Multimeter by Direct Method	1 kohm to 100 kohm	0.061 % to 0.58 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digit Digital Multimeter by Direct Method	100 kohm to 100 Mohm	0.58 % to 0.03 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digit Digital Multimeter by Direct Method	100 Mohm to 1 Gohm	0.03 % to 2.49 %
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digit Digital Multimeter by Direct Method	1 ohm to 1 kohm	0.061 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	1.0999 A to 2.9999 A	0.1 % to 0.08 %

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48	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	10 µA to 329.99 µA	0.97 % to 0.37 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator with Current Coil by Direct Method	10 A to 100 A	1.1 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	10.999 A to 20 A	0.093 % to 0.59 %
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC current	Using Multi-Product Calibrator with Current Coil by Direct Method	100 A to 1000 A	1.1 % to 1.5 %
52	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	2.9999 A to 10.999 A	0.08 %
53	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	3.2999 mA to 32.999 mA	2.6 % to 0.060 %
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	32.999 mA to 1.0999 A	0.060 % to 0.1 %

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55	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	329.99 µA to 3.2999 mA	0.37 % to 2.6 %
56	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	1 Gohm	4.53 %
57	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	10 Gohm	4.53 %
58	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	10 Mohm	4.60 %
59	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	100 Gohm	10.69 %
60	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	100 Mohm	4.53 %
61	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	1000 Gohm	10.69 %

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62	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	200 Mohm	4.55 %
63	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	5 Mohm	4.91 %
64	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	500 Gohm	10.69 %
65	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	500 Mohm	4.54 %
66	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	1 mV to 329.999 mV	0.06 % to 0.04 %
67	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	101.999 V to 329.999 V	0.012 %
68	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	3.29999 V to 32.9999 V	0.012 %

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69	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	32.9999 V to 101.999 V	0.012 %
70	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	329.999 mV to 3.29999 V	0.04 % to 0.02 %
71	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	329.999 V to 1000 V	0.012 % to 0.09 %
72	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	1 Gohm to 10 Gohm	1.14 % to 4.53 %
73	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	1 kohm to 10 kohm	0.030 % to 0.749 %
74	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	1 Mohm to 10 Mohm	0.9 % to 0.74 %
75	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	10 kohm to 100 kohm	0.75 % to 0.014 %

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76	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	10 Mohm to 100 Mohm	0.7 % to 0.081 %
77	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	100 kohm to 1 Mohm	0.74 % to 0.014 %
78	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	100 Mohm to 1 Gohm	0.081 % to 0.13 %
79	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	100 mohm to 1 ohm	0.095 % to 0.06 %
80	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	1 mohm to 10 mohm	0.53 % to 1 %
81	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	1 ohm to 10 ohm	0.9 % to 0.74 %
82	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	10 mohm to 100 mohm	0.99 % to 0.095 %

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83	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	10 ohm to 100 ohm	0.9 % to 0.080 %
84	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	100 ohm to 1 kohm	0.080 % to 0.030 %
85	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Conductivity Meter, 1 Mohm to 1 ohm	Using Multiproduct Calibrator by Simulation Method	1 µs/cm to 100 ms/cm	4 %
86	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	pH meter, (-) 416.90 mV to 416.90 mV	Using Multiproduct Calibrator by Simulation Method	0 pH to 14 pH	0.05 %
87	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B Type Thermocouple	Using Multifunction Calibrator by Direct Method	600 °C to 1750 °C	3.56 °C
88	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 100 °C to 1000 °C	2.37 °C
89	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1100 °C	2.36 °C

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90	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1200 °C	2.37 °C
91	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1300 °C	2.37 °C
92	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R Type Thermocouple	Using Multifunction Calibrator by Direct Method	100 °C to 1750 °C	2.37 °C
93	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (Pt-100)	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 800 °C	0.77 °C
94	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S Type Thermocouple	Using Multifunction Calibrator by Direct Method	100 °C to 1750 °C	2.4 °C
95	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 400 °C	2.37 °C
96	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using Multifunction Calibrator by Direct Method	600 °C to 1800 °C	1.85 °C

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97	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1000 °C	0.7 °C
98	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1200 °C	0.83 °C
99	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1200 °C	1.78 °C
100	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1300 °C	1.39 °C
101	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using Multifunction Calibrator by Direct Method	0 °C to 1750 °C	2.33 °C
102	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (Pt-100)	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 800 °C	0.75 °C
103	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using Multifunction Calibrator by Direct Method	0 °C to 1750 °C	2.33 °C

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104	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 400 °C	0.95 °C
105	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Digital Multimeter by Direct Method	1 kHz to 1 MHz	0.06 % to 5.82 %
106	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Digital Multimeter by Direct Method	10 Hz to 1 kHz	0.02 % to 0.06 %
107	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Time Calibrator by Comparison Method	10 s to 3600 s	0.94 s to 2.38 s
108	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Time Calibrator by Comparison Method	3600 s to 86400 s	2.38 s to 99.80 s
109	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi-Product Calibrator by Direct Method	45 Hz to 1000 Hz	0.02 % to 0.010 %
110	FLUID FLOW-FLOW MEASURING DEVICES	Flow Velocity (Air)	Using Air Velocity probe with Indicator & Wind Tunnel by Comparison Method	3 m/s to 20 m/s	8.48 %

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111	MECHANICAL-ACCELERATION AND SPEED	Acceleration (Peak): Vibration Meter, Vibration Meter with Sensor @ 159.2 Hz	Using Portable Vibration Calibrator by Comparision Method	14.14 m/s² (pk)	3.96 %
112	MECHANICAL-ACCELERATION AND SPEED	Displacement (Peak - Peak): Vibration Meter, Vibration Meter with Sensor @ 159.2 Hz	Using Portable Vibration Calibrator by Comparision Method	28 µm (pk-pk)	8.28 %
113	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact Type)	Using Digital Tachometer, RPM Generator by Comparison Method	> 800 rpm to 8000 rpm	4.5 rpm
114	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact Type)	Using Digital Tachometer, RPM Generator by Comparison Method	10 rpm to 800 rpm	2.2 rpm
115	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM Meter with Sensor (Non-contact Type)	Using Digital Tachometer, RPM Generator by Comparison Method	> 1000 rpm to 10000 rpm	4.8 rpm
116	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM Meter with Sensor (Non-contact Type)	Using Digital Tachometer, RPM Generator by Comparison Method	> 10000 rpm to 50000 rpm	12.3 rpm
117	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM Meter with Sensor (Non-contact Type)	Using Digital Tachometer, RPM Generator by Comparison Method	> 50000 rpm to 90000 rpm	21.2 rpm
118	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM Meter with Sensor (Non-contact Type)	Using Digital Tachometer, RPM Generator by Comparison Method	100 rpm to 1000 rpm	4.1 rpm

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119	MECHANICAL-ACCELERATION AND SPEED	Velocity (RMS): Vibration Meter, Vibration Meter with Sensor @ 159.2 Hz	Using Portable Vibration Calibrator by Comparision Method	10 mm/s (rms)	5.1 %
120	MECHANICAL-ACOUSTICS	Sound Level Meter, Sound Meter Indicator @ 1 kHz	Using Sound Level Calibrator by Comparison Method	94 dB & 114 dB	0.86 dB
121	MECHANICAL-DENSITY AND VISCOSITY	Density Hydrometer, Twaddle Hydrometer, Baume Hydrometer, Specific Gravity Hydrometer, Brix Hydrometer, Lactometer, Alcometer	Using Weighing Balance by Hydrostatic Weighing Method as per NIST SP 250 - 78	0.6 g/ml to 2 g/ml	0.002 g/ml
122	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring scale / Steel Scale (L.C: 0.5 mm & Coarser)	Using Measuring Tape & Scale Calibrator by Comparison Method	0 to 2000 mm	118.3 Sqrt(L) µm, Where L (L > 1000 mm) in mm
123	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Tape / Pie Tape (L.C.: 0.5 mm & Coarser)	Using Measuring Tape & Scale Calibrator by Comparison Method	0 to 50 m	125 x Sqrt(L) µm, Where L (L > 1 m) is in mm
124	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Medium: Dial / Digital Gauge / Pressure Switch, Pressure, Transmitters with Indicator	Using Digital Pressure Calibrator, 6½ Multimeter & Hydraulic Pump by Comparison Method as per DKD R6-1	0 to 700 bar	0.19 bar

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125	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Medium: Dial / Digital Gauge, Magnehelic Gauge, Inclined Manometer, Pressure Switch, Pressure Transmitter with Indicator	Using Digital Pressure Gauge, 6½ Multimeter & Pneumatic Pump by Comparison Method as per DKD R6-1	0 to 1000 mbar	0.34 mbar
126	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Medium: Dial / Digital Gauge, Magnehelic Gauge, Inclined Manometer, Pressure Switch, Pressure Transmitter with Indicator	Using Digital Pressure Calibrator, 6½ Multimeter & Pneumatic Pump by Comparison Method as per DKD R6-1	0 to 20 mbar	0.055 mbar
127	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Medium: Dial / Digital Gauge, Pressure Switch, Pressure Transmitter with Indicator	Using Digital Pressure Gauge, 6½ Multimeter & Pneumatic Pump by Comparison Method as per DKD R6-1	0 to 35 bar	0.03 bar
128	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Medium: Dial / Digital Vacuum Gauge, Vacuum Switch, Vacuum Transmitter with / without Indicator, Vacuum Indicator	Using Digital Pressure Calibrator, 6½ Digit Multimeter & Pneumatic Pump by comparison method as per DKD R6-1	(-) 0.85 bar to 0	0.008 bar
129	MECHANICAL-VOLUME	Glassware: Pipette, Volumetric Flask, Measuring Cylinder, Burette	Using Weighing Balance (Readability: 1 mg) & Distilled water by Gravimetric Method as per ISO 4787: 2021	> 100 ml to 900 ml	0.7 ml

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130	MECHANICAL-VOLUME	Glassware: Pipette, Volumetric Flask, Measuring Cylinder, Burette	Using Weighing Balance (Readability: 0.1 mg) & Distilled water by Gravimetric Method as per ISO 4787: 2021	> 50 ml to 100 ml	0.05 ml
131	MECHANICAL-VOLUME	Glassware: Pipette, Volumetric Flask, Measuring Cylinder, Burette	Using Weighing Balance (Readability: 0.01 mg) & Distilled water by Gravimetric Method as per ISO 4787: 2021	1 ml to 50 ml	3.22 µl
132	MECHANICAL-VOLUME	Glassware: Pipette, Volumetric Flask, Measuring Cylinder, Burette	Using Weighing Balance (Readability: 0.01 g) & Distilled water by Gravimetric Method as per ISO 4787: 2021	2000 ml to 4500 ml	5 ml
133	MECHANICAL-VOLUME	Glassware: Volumetric Flask, Measuring Cylinder, Flask	Using Weighing Balance (Readability: 0.01 g) & Distilled water by Gravimetric Method as per ISO 4787: 2021	1000 ml to 2000 ml	1.2 ml
134	MECHANICAL-VOLUME	Graduated Test Tube, Graduated Conical Flask, Graduated Conical Jar, Graduated Density Bottle	Using Weighing Balance (Readability: 0.01 g) & Distilled water by Gravimetric Method	1000 ml to 2000 ml	1.2 ml

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135	MECHANICAL-VOLUME	Graduated Test Tube, Graduated Conical Flask, Graduated Conical Jar, Graduated Density Bottle	Using Weighing Balance (Readability: 0.01 g) & Distilled water by Gravimetric Method	2000 ml to 4500 ml	5 ml
136	MECHANICAL-VOLUME	Graduated Test Tube, Graduated Conical Flask, Graduated Density Bottle	Using Weighing Balance (Readability: 0.1 mg) & Distilled water by Gravimetric Method	> 50 ml to 100 ml	0.23 ml
137	MECHANICAL-VOLUME	Graduated Test Tube, Graduated Conical Flask, Graduated Density Bottle	Using Weighing Balance (Readability: 0.01 mg) & Distilled water by Gravimetric Method	1 ml to 50 ml	0.004 ml
138	MECHANICAL-VOLUME	Graduated Test Tube, Graduated Conical Flask, Graduated Density Bottle	Using Weighing Balance (Readability: 1 mg) & Distilled water by Gravimetric Method	100 ml to 900 ml	0.7 ml
139	MECHANICAL-VOLUME	Micropipette (Single / Multi channel)	Using Weighing Balance (Readability: 0.01 mg) & Distilled water Gravimetric Method by Gravimetric Method as per ISO 8655-6: 2022	20 µl to 1000 µl	0.78 µl
140	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Readability : 0.01 mg, Class I & Coarser	Using Weight of Accuracy Class E1 as per OIML R 76-1: 2006	1 mg to 80 g	0.06 mg

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141	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Readability: 0.1 g, Class III & Coarser	Using Weight of Accuracy Class F1 as per OIML R 76-1: 2006	20 g to 20 kg	0.16 g
142	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Readability: 0.1 mg, Class I & Coarser	Using Weight of Accuracy Class E1 as per OIML R 76-1: 2006	1 mg to 200 g	0.22 mg
143	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Readability: 10 mg, Class II & Coarser	Using Weight of Accuracy Class F1 as per OIML R 76-1: 2006	0.5 g to 1 kg	8.5 mg
144	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Readability: 5 g, Class IIII	Using Weight of Accuracy Class F1 as per OIML R 76-1: 2006	0 to 50 kg	14 g
145	MECHANICAL-WEIGHTS	Weight - Class F1 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	1 g	0.023 mg
146	MECHANICAL-WEIGHTS	Weight - Class F1 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	10 g	0.039 mg
147	MECHANICAL-WEIGHTS	Weight - Class F1 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	100 g	0.11 mg

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148	MECHANICAL-WEIGHTS	Weight - Class F1 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	100 mg	0.01 mg
149	MECHANICAL-WEIGHTS	Weight - Class F1 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	2 g	0.023 mg
150	MECHANICAL-WEIGHTS	Weight - Class F1 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	20 g	0.039 mg
151	MECHANICAL-WEIGHTS	Weight - Class F1 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	20 mg	0.01 mg
152	MECHANICAL-WEIGHTS	Weight - Class F1 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	200 g	0.11 mg

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153	MECHANICAL-WEIGHTS	Weight - Class F1 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	200 mg	0.011 mg
154	MECHANICAL-WEIGHTS	Weight - Class F1 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	5 g	0.028 mg
155	MECHANICAL-WEIGHTS	Weight - Class F1 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	50 g	0.048 mg
156	MECHANICAL-WEIGHTS	Weight - Class F1 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	50 mg	0.01 mg
157	MECHANICAL-WEIGHTS	Weight - Class F1 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	500 mg	0.011 mg

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158	MECHANICAL-WEIGHTS	Weight - Class F2 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	1 mg	0.01 mg
159	MECHANICAL-WEIGHTS	Weight - Class F2 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	10 mg	0.01 mg
160	MECHANICAL-WEIGHTS	Weight - Class F2 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	2 mg	0.01 mg
161	MECHANICAL-WEIGHTS	Weight - Class F2 & coarser	Using E1 Class Weights & Weighing Balance (Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	5 mg	0.01 mg
162	MECHANICAL-WEIGHTS	Weight - Class M1 & coarser	Using F1 Class Weights & Weighing Balance (Readability 1 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	1 kg	3 mg

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163	MECHANICAL-WEIGHTS	Weight - Class M1 & coarser	Using F1 Class Weights & Weighing Balance (Readability 0.01 g) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	2 kg	20.11 mg
164	MECHANICAL-WEIGHTS	Weight - Class M1 & coarser	Using F1 Class Weights & Weighing Balance (Readability 0.01 g) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	5 kg	20.11 mg
165	MECHANICAL-WEIGHTS	Weight - Class M1 & coarser	Using F1 Class Weights & Weighing Balance (Readability 1 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	500 g	1.7 mg
166	MECHANICAL-WEIGHTS	Weight - Class M2 & coarser	Using F1 Class Weights & Weighing Balance (Readability 0.1 g) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	10 kg	130 mg
167	MECHANICAL-WEIGHTS	Weight - Class M2 & coarser	Using F1 Class Weights & Weighing Balance (Readability 0.1 g) by Substitution Method (ABBA Cycle) as per OIML R 111-1: 2004	20 kg	130 mg

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168	THERMAL-SPECIFIC HEAT & HUMIDITY	Digital Thermohygrometer, Humidity Indicator with inbuilt sensor, Data logger with inbuilt sensor or with sensor, Humidity Transmitter	Using Precision Portable Hygrometer, 6½ Multimeter & Advanced Precession Humidity Temperature Generator by Comparison Method	10 %rh to 95 %rh @ 25 °C	0.72 %rh
169	THERMAL-SPECIFIC HEAT & HUMIDITY	Digital Thermohygrometer, Humidity Indicator with inbuilt sensor, Data logger with inbuilt sensor or with sensor, Humidity Transmitter	Using Precision Portable Hygrometer, 6½ Multimeter & Advanced Precession Humidity Temperature Generator by Comparison Method	5 %rh @ 23 °C	1.24 %rh
170	THERMAL-SPECIFIC HEAT & HUMIDITY	Digital Thermohygrometer, Temperature Indicator with inbuilt sensor, Data logger with inbuilt sensor or with sensor, Temperature Transmitter	Using Precision Portable Hygrometer, 6½ Multimeter & Advanced Precession Humidity Temperature Generator by Comparison Method	5 °C to 60 °C @ 50 %rh	0.40 °C
171	THERMAL-TEMPERATURE	Pyrometer / Infrared Thermometer, Laser Gun, Non Contact Thermal Imager (Temperature only), Thermometer, Infrared Sensor with Indicator, Pyrometer	Using Standard Pyrometer with Indicator (Emissivity: 0.95) and Black Body Source by Comparison Method	500 °C to 1200 °C	4.65 °C

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172	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using 4 Wire RTD with Indicator & High Stability Bath by Comparison Method	(-) 40 °C to 50 °C	0.61 °C
173	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using 4 Wire RTD with Indicator & Silicon Oil bath by Comparison Method	> 50 °C to 250 °C	0.63 °C
174	THERMAL-TEMPERATURE	Radiation Pyrometer (Non-Medical Purpose only), Infrared Thermometer, Laser Gun, Non Contact Thermometer, Infrared Sensor with Indicator	Using Non Contact Infrared Thermometer (Emissivity 0.95) & Black Body source by Comparison Method	25 °C to 400 °C	1.5 °C
175	THERMAL-TEMPERATURE	RTD / Thermocouple with or without Indicator, Dial Thermometer, Temperature Gauge, Transmitter, Temperature Recorder with Sensor, Data Logger with Sensor, Digital Thermometer	Using 4 Wire RTD with Indicator, Universal Calibrator & Dry Block Temperature Calibrator by Comparison Method	(-) 30 °C to 140 °C	0.71 °C

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176	THERMAL-TEMPERATURE	RTD / Thermocouple with or without Indicator, Dial Thermometer, Temperature Gauge, Transmitter, Temperature Recorder with Sensor, Data Logger with Sensor, Digital Thermometer	Using 4 Wire RTD with Indicator, 6½ Multimeter & High Stability Bath by Comparison Method	(-) 40 °C to 50 °C	0.21 °C
177	THERMAL-TEMPERATURE	RTD / Thermocouple with or without Indicator, Dial Thermometer, Temperature Gauge, Transmitter, Temperature Recorder with Sensor, Data Logger with Sensor, Digital Thermometer	Using 4 Wire RTD with Indicator, Universal Calibrator & Dry Block Temperature Calibrator by Comparison Method	140 °C to 250 °C	0.45 °C
178	THERMAL-TEMPERATURE	Thermocouple with or without Indicator, Dial Thermometer, Temperature gauge, Transmitter, Temperature scanner with Sensor, Data Logger with Sensor, Digital Thermometer	Using S Type Thermocouple with Indicator, Universal Calibrator & Temperature Dry Block Calibrator by Comparison Method	250 °C to 1200 °C	2.24 °C

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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	1 A to 3 A	0.13 % to 0.12 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	1 mA to 100 mA	0.6 % to 0.17 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	10 µA to 100 µA	1.53 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	100 µA to 1 mA	1.53 % to 0.6 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	100 mA to 1 A	0.17 % to 0.13 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	3 A to 10 A	0.12 % to 0.23 %

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7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	1 V to 10 V	0.091 % to 0.070 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	10 V to 1000 V	0.07 % to 0.11 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	100 mV to 1 V	0.078 % to 0.091 %
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	2 mV to 100 mV	6.63 % to 0.078 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	High Voltage @ 50 Hz	Using High Voltage Probe with Digital Multimeter by Direct Method	1 kV to 20 kV	2.14 % to 6.65 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Single Phase AC Active Energy @ 50 Hz, UPF, 30 V to 320 V, 1 A to 120 A	Using Power Analyzer by Direct Method	6 Wh to 38.4 kWh	1.6 %

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13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Three Phase AC Active Energy @ 50 Hz, UPF, 30 V to 320 V, 1 A to 120 A	Using Power Analyzer by Direct Method	18 Wh to 115 kWh	1.6 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	11 A to 20 A	0.17 % to 1.15 %
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	1.1 A to 2.999 A	0.18 % to 0.17 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	3 A to 10.999 A	0.17 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	30 µA to 329.9 µA	0.44 % to 0.31 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	32.999 mA to 329.99 mA	0.17 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	329.9 µA to 3.2999 mA	0.31 % to 0.12 %

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20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by with Current Coil by Direct Method	10 A to 100 A	1.51 % to 1.52 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by with Current Coil Direct Method	100 A to 1000 A	1.52 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	0.33 A to 1.0999 A	0.17 % to 0.18 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	32.99 mV to 329.99 mV	0.59 % to 0.12 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	0.33 V to 3.2999 V	0.12 %
25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	1 mV to 32.99 mV	10.56 % to 0.59 %
26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	101.999 V to 329.99 V	0.12 %

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27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	3.3 V to 32.999 V	0.12 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	33 V to 101.999 V	0.12 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi-Product Calibrator by Direct Method	330 V to 1000 V	0.12 % to 0.39 %
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	1 nF to 100 µF	1.2 % to 1.3 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz, 230 V, 1 A	Using Multi-Product Calibrator by Direct Method	0.2 PF (Lead/Lag) to 1 PF	0.046 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase AC Power @ 50 Hz, 1 V to 1000 V, 3.3 mA to 20 A , 0.2 PF Lag/Lead to UPF	Using Multi-Product Calibrator by Direct Method	10.9 mW to 20 kW	1.16 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	1 A to 3 A	0.082 % to 0.1 %

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34	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	1 mA to 100 mA	0.06 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	10 µA to 100 µA	0.09 % to 0.06 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	100 µA to 1 mA	0.06 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	100 mA to 1 A	0.06 % to 0.082 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	3 A to 10 A	0.1 %
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Digital Multimeter by Direct Method	1 mV to 100 mV	0.06 %
40	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Digital Multimeter by Direct Method	1 V to 10 V	0.06 % to 0.01 %

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41	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Digital Multimeter by Direct Method	10 V to 100 V	0.01 % to 0.004 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Digital Multimeter by Direct Method	100 mV to 1 V	0.06 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Digital Multimeter by Direct Method	100 V to 1000 V	0.004 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	High Voltage	Using High voltage Probe with Digital multimeter by Direct Method	1 kV to 20 kV	4.1 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digit Digital Multimeter by Direct Method	1 kohm to 100 kohm	0.061 % to 0.58 %
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digit Digital Multimeter by Direct Method	100 kohm to 100 Mohm	0.58 % to 0.03 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digit Digital Multimeter by Direct Method	100 Mohm to 1 Gohm	0.03 % to 2.49 %

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48	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digit Digital Multimeter by Direct Method	1 ohm to 1 kohm	0.061 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	1.0999 A to 2.9999 A	0.1 % to 0.08 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	10 µA to 329.99 µA	0.97 % to 0.37 %
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator with Current Coil by Direct Method	10 A to 100 A	1.1 %
52	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	10.999 A to 20 A	0.093 % to 0.59 %
53	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC current	Using Multi-Product Calibrator with Current Coil by Direct Method	100 A to 1000 A	1.1 % to 1.5 %
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	2.9999 A to 10.999 A	0.08 %

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55	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	3.2999 mA to 32.999 mA	2.6 % to 0.060 %
56	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	32.999 mA to 1.0999 A	0.060 % to 0.1 %
57	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	329.99 µA to 3.2999 mA	0.37 % to 2.6 %
58	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	1 Gohm	4.53 %
59	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	10 Gohm	4.53 %
60	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	10 Mohm	4.60 %
61	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	100 Gohm	10.69 %

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62	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	100 Mohm	4.53 %
63	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	1000 Gohm	10.69 %
64	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	200 Mohm	4.55 %
65	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	5 Mohm	4.91 %
66	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	500 Mohm	4.54 %
67	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	1 mV to 329.999 mV	0.06 % to 0.04 %
68	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	101.999 V to 329.999 V	0.012 %

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69	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	3.29999 V to 32.9999 V	0.012 %
70	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	32.9999 V to 101.999 V	0.012 %
71	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	329.999 mV to 3.29999 V	0.04 % to 0.02 %
72	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	329.999 V to 1000 V	0.012 % to 0.09 %
73	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	1 Gohm to 10 Gohm	1.14 % to 4.53 %
74	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	1 kohm to 10 kohm	0.030 % to 0.749 %
75	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	1 Mohm to 10 Mohm	0.9 % to 0.74 %

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76	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	10 kohm to 100 kohm	0.75 % to 0.014 %
77	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	10 Mohm to 100 Mohm	0.7 % to 0.081 %
78	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	100 kohm to 1 Mohm	0.74 % to 0.014 %
79	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	100 Mohm to 1 Gohm	0.081 % to 0.13 %
80	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	100 mohm to 1 ohm	0.095 % to 0.06 %
81	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	1 mohm to 10 mohm	0.53 % to 1 %
82	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	1 ohm to 10 ohm	0.9 % to 0.74 %

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83	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	10 mohm to 100 mohm	0.99 % to 0.095 %
84	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	10 ohm to 100 ohm	0.9 % to 0.080 %
85	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	100 ohm to 1 kohm	0.080 % to 0.030 %
86	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	pH meter, (-) 416.90 mV to 416.90 mV	Using Multiproduct Calibrator by Simulation Method	0 pH to 14 pH	0.05 %
87	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B Type Thermocouple	Using Multifunction Calibrator by Direct Method	600 °C to 1750 °C	3.56 °C
88	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 100 °C to 1000 °C	2.37 °C
89	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1100 °C	2.36 °C

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90	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1200 °C	2.37 °C
91	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1300 °C	2.37 °C
92	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R Type Thermocouple	Using Multifunction Calibrator by Direct Method	100 °C to 1750 °C	2.37 °C
93	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (Pt-100)	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 800 °C	0.77 °C
94	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S Type Thermocouple	Using Multifunction Calibrator by Direct Method	100 °C to 1750 °C	2.4 °C
95	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 400 °C	2.37 °C
96	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using Multifunction Calibrator by Direct Method	600 °C to 1800 °C	1.85 °C

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97	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1000 °C	0.7 °C
98	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1200 °C	0.83 °C
99	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1200 °C	1.78 °C
100	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1300 °C	1.39 °C
101	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using Multifunction Calibrator by Direct Method	0 °C to 1750 °C	2.33 °C
102	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (Pt-100)	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 800 °C	0.75 °C
103	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using Multifunction Calibrator by Direct Method	0 °C to 1750 °C	2.33 °C

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104	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 400 °C	0.95 °C
105	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Digital Multimeter by Direct Method	1 kHz to 1 MHz	0.06 % to 5.82 %
106	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Digital Multimeter by Direct Method	10 Hz to 1 kHz	0.02 % to 0.06 %
107	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Time Calibrator by Comparison Method	10 s to 3600 s	0.94 s to 2.38 s
108	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Time Calibrator by Comparison Method	3600 s to 86400 s	2.38 s to 99.80 s
109	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi-Product Calibrator by Direct Method	45 Hz to 1000 Hz	0.02 % to 0.010 %
110	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Water)	Using Ultrasonic Flow Meter by Comparision Method	22 m^3/hr to 220 m^3/hr	1.53 %
111	MECHANICAL-ACCELERATION AND SPEED	Centrifuge Machine (Non-contact Type)	Using Digital Tachometer by Comparison Method	> 1000 rpm to 10000 rpm	4.8 rpm

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112	MECHANICAL-ACCELERATION AND SPEED	Centrifuge Machine (Non-contact Type)	Using Digital Tachometer by Comparison Method	> 10000 rpm to 50000 rpm	12.5 rpm
113	MECHANICAL-ACCELERATION AND SPEED	Centrifuge Machine (Non-contact Type)	Using Digital Tachometer by Comparison Method	> 50000 rpm to 90000 rpm	21.3 rpm
114	MECHANICAL-ACCELERATION AND SPEED	Centrifuge Machine (Non-contact Type)	Using Digital Tachometer by Comparison Method	50 rpm to 1000 rpm	4.1 rpm
115	MECHANICAL-ACOUSTICS	Sound Level Meter, Sound Meter Indicator @ 1 kHz	Using Sound Level Calibrator by Comparison Method	94 dB & 114 dB	0.86 dB
116	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Medium: Dial / Digital Gauge / Pressure Switch, Pressure, Transmitters with Indicator	Using Digital Pressure Calibrator, 6½ Multimeter & Hydraulic Pump by Comparison Method as per DKD R6-1	0 to 700 bar	0.19 bar
117	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Medium: Dial / Digital Gauge, Magnehelic Gauge, Inclined Manometer, Pressure Switch, Pressure Transmitter with Indicator	Using Digital Pressure Gauge, 6½ Multimeter & Pneumatic Pump by Comparison Method as per DKD R6-1	0 to 1000 mbar	0.34 mbar
118	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Medium: Dial / Digital Gauge, Magnehelic Gauge, Inclined Manometer, Pressure Switch, Pressure Transmitter with Indicator	Using Digital Pressure Calibrator, 6½ Multimeter & Pneumatic Pump by Comparison Method as per DKD R6-1	0 to 20 mbar	0.055 mbar

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119	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Medium: Dial / Digital Gauge, Pressure Switch, Pressure Transmitter with Indicator	Using Digital Pressure Gauge, 6½ Multimeter & Pneumatic Pump by Comparison Method as per DKD R6-1	0 to 35 bar	0.03 bar
120	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Medium: Dial / Digital Vacuum Gauge, Vacuum Switch, Vacuum Transmitter with / without Indicator, Vacuum Indicator	Using Digital Pressure Calibrator, 6½ Digit Multimeter & Pneumatic Pump by comparison method as per DKD R6-1	(-) 0.85 bar to 0	0.008 bar
121	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Readability : 0.01 mg, Class I & Coarser	Using Weight of Accuracy Class E1 as per OIML R 76-1: 2006	1 mg to 80 g	0.06 mg
122	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Readability: 0.1 g, Class III & Coarser	Using Weight of Accuracy Class F1 as per OIML R 76-1: 2006	20 g to 20 kg	0.16 g
123	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Readability: 0.1 mg, Class I & Coarser	Using Weight of Accuracy Class E1 as per OIML R 76-1: 2006	1 mg to 200 g	0.22 mg
124	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Readability: 10 mg, Class II & Coarser	Using Weight of Accuracy Class F1 as per OIML R 76-1: 2006	0.5 g to 1 kg	8.5 mg
125	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Readability: 20 g, Class IIII	Using Weight of Accuracy Class F1 as per OIML R 76-1: 2006	20 g to 100 kg	16 g

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126	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Readability: 20 g, Class IIII	Using Weight of Accuracy Class F1 & M1 as per OIML R 76-1: 2006	20 g to 300 kg	40 g
127	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Readability: 5 g, Class IIII	Using Weight of Accuracy Class F1 as per OIML R 76-1: 2006	0 to 50 kg	14 g
128	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Readability: 50 g, Class IIII	Using Weight of Accuracy Class F1 & M1 as per OIML R 76-1: 2006	0 to 500 kg	77 g
129	THERMAL-SPECIFIC HEAT & HUMIDITY	Climatic Chamber, Environmental Chamber, Cold Room, Cold Storage, Room Ware House, Walk in Chamber, Humidity Chamber - Multi Position	Using Portable Temperature & RH Data logger with Sensors (Minimum 9 Sensors) by Comparison Method	10 %rh to 95 %rh @ 25 °C	2.45 %rh
130	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Environmental Chamber / Humidity Chamber / Climatic Chamber - Single Position	Using Humidity Indicator with Sensor by Comparison Method	10 %rh to 95 %rh @ 25 °C	0.8 %rh
131	THERMAL-TEMPERATURE	Incubator (Non Medical Purpose), Oven, Stability Chamber, Liquid Bath, Vacuum Oven, Deep Freezer, Refrigerator, Oil bath, Autoclave (Non Medical Purpose) - Multi Position	Using RTD Sensors (Minimum 12 Sensor) with Data Logger by Comparison Method	(-) 80 °C to 200 °C	3.77 °C

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132	THERMAL-TEMPERATURE	RTD / Thermocouple with or without Indicator, Dial Thermometer, Temperature Gauge, Transmitter, Temperature Recorder with Sensor, Data Logger with Sensor, Digital Thermometer	Using 4 Wire RTD with Indicator, Universal Calibrator & Dry Block Temperature Calibrator by Comparison Method	(-) 30 °C to 140 °C	0.71 °C
133	THERMAL-TEMPERATURE	RTD / Thermocouple with or without Indicator, Dial Thermometer, Temperature Gauge, Transmitter, Temperature Recorder with Sensor, Data Logger with Sensor, Digital Thermometer	Using 4 Wire RTD with Indicator, 6½ Multimeter & High Stability Bath by Comparison Method	(-) 40 °C to 50 °C	0.21 °C
134	THERMAL-TEMPERATURE	RTD / Thermocouple with or without Indicator, Dial Thermometer, Temperature Gauge, Transmitter, Temperature Recorder with Sensor, Data Logger with Sensor, Digital Thermometer	Using 4 Wire RTD with Indicator, Universal Calibrator & Dry Block Temperature Calibrator by Comparison Method	140 °C to 250 °C	0.45 °C

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135	THERMAL-TEMPERATURE	Sealed Quinch Furnace, PIT Type Tempering & Hardening Furnace, Mesh Belt Hardening & Tempering Furnace, SR Furnace, Normalizing Furnace, Vacuum Furnace, Box Hardening Furnace - Multi Position	Using N Type Sensor (Minimum 9 Sensors) Data Logger by Comparison Method	200 °C to 1200 °C	7.58 °C
136	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Muffle furnace / Furnaces / Oven / Tunnel (Industrial Purpose only) / Vacuum Oven - Single Position	Using S Type Thermocouple with Indicator by Comparison Method	250 °C to 1200 °C	1.8 °C
137	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Stability Chamber / Deep freezer / Oven / Incubator (Non Medical purpose only) / Autoclave (Non Medical Purpose only) / Vacuum Oven / Viscosity Bath / Refrigerator - Single Position	Using 4 Wire RTD with indicator by Comparison Method	(-) 80 °C to 250 °C	1.5 °C

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S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
138	THERMAL-TEMPERATURE	Thermocouple with or without Indicator, Dial Thermometer, Temperature gauge, Transmitter, Temperature scanner with Sensor, Data Logger with Sensor, Digital Thermometer	Using S Type Thermocouple with Indicator, Universal Calibrator & Temperature Dry Block Calibrator by Comparison Method	250 °C to 1200 °C	2.24 °C

*** CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.**