



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** ENPRO ENVIROTECH AND ENGINEERS PVT. LTD., D29/16 &17, HOJIWALA INDUSTRIAL ESTATE, ROAD NO. 17, SURAT, GUJARAT, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** CC-2959 **Page No** 1 of 37

**Validity** 01/03/2026 to 28/02/2030 **Last Amended on** 05/03/2026

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	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	1 A to 10 A	3.15 % to 0.41 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	1 mA to 1 A	0.16 % to 3.15 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	1 mA to 1 A	0.16 % to 3.15 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	1 mV to 100 mV	1.41 % to 0.43 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter by Direct method	1 V to 1000 V	0.59 % to 0.1 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	100 mV to 1 V	0.43 % to 0.59 %



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7	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using 5 <sup>1</sup> / <sub>2</sub> Multifunction Calibrator by Direct Method	1 A to 10 A	0.71 % to 1.22 %
8	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using 5 <sup>1</sup> / <sub>2</sub> Multifunction Calibrator by Direct Method	1 mA to 1 A	1 % to 0.71 %
9	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using 5 <sup>1</sup> / <sub>2</sub> Multifunction Calibrator with Current Coil by Direct Method	10 A to 1000 A	0.55 % to 1.26 %
10	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using 5 <sup>1</sup> / <sub>2</sub> Multifunction Calibrator by Direct Method	1 mV to 1 V	2.41 % to 0.39 %
11	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using 5 <sup>1</sup> / <sub>2</sub> Multifunction Calibrator by Direct Method	1 V to 1000 V	0.39 % to 0.25 %
12	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6 <sup>1</sup> / <sub>2</sub> Digit Multimeter by Direct Method	1 A to 10 A	0.08 % to 0.19 %
13	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6 <sup>1</sup> / <sub>2</sub> Digit Multimeter by Direct Method	1 mA to 1 A	0.06 % to 0.08 %



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14	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	1 mV to 1 V	0.85 % to 0.11 %
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	1 V to 1000 V	0.11 % to 0.08 %
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter by Direct Method	1 Mohm to 10 Mohm	0.19 % to 0.026 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter by Direct Method	10 Mohm to 100 Mohm	0.026 % to 0.97 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter by Direct Method	100 kohm to 1 Mohm	0.022 % to 0.19 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter by Direct Method	100 Mohm to 1 Gohm	0.97 % to 2.4 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter by Direct Method	1 kohm to 10 kohm	0.012 % to 0.13 %



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21	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter by Direct Method	1 ohm to 100 ohm	2.54 % to 0.013 %
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter by Direct Method	10 kohm to 100 kohm	0.13 % to 0.022 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter by Direct Method	100 ohm to 1 kohm	0.013 % to 0.012 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5½ Multifunction Calibrator by Direct Method	1 A to 10 A	0.69 % to 0.15 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5½ Multifunction Calibrator by Direct Method	1 mA to 1 A	1.01 % to 0.69 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5½ Multifunction Calibrator with Current Coil by Direct Method	10 A to 1000 A	0.62 % to 1.02 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5½ Multifunction Calibrator by Direct Method	1 mV to 1 V	1.43 % to 0.17 %



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28	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5½ Multifunction Calibrator by Direct Method	1 V to 1000 V	0.17 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Decade Resistance Box by Direct Method	1 Mohm to 100 Mohm	0.13 % to 1.16 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Decade Resistance Box by Direct Method	100 kohm to 1 Mohm	0.13 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Decade Resistance Box by Direct Method	100 Mohm to 1000 Mohm	1.16 % to 2.37 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 4 Wire	Using Decade Resistance Box by Direct Method	1 kohm to 100 kohm	0.13 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 4 Wire	Using Decade Resistance Box by Direct Method	1 ohm to 100 ohm	0.23 % to 0.13 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 4 Wire	Using Decade Resistance Box by Direct Method	100 ohm to 1 kohm	0.13 %



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35	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Digital Conductivity Meter / Conductivity Indicator (1 $\mu$ S to 200 mS)	Using Decade Resistance Box by Simulation Method	5 ohm to 1 Mohm	1.7 % to 0.82 %
36	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Digital pH Indicator / pH meter (0 pH to 14 pH)	Using Multifunction Calibrator by Simulation Method	(-) 414 mV to 414 mV	0.8 %
37	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT 100)	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 790 °C	0.57 °C
38	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - B Type	Using Multifunction Calibrator by Direct Method	600 °C to 1690 °C	2.39 °C
39	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - E Type	Using Multifunction Calibrator by Direct Method	100 °C to 590 °C	0.69 °C
40	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - J Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 1190 °C	0.53 °C
41	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - K Type	Using Multifunction Calibrator by Direct Method	50 °C to 1190 °C	0.51 °C



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42	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - N Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 1290 °C	0.61 °C
43	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - R Type	Using Multifunction Calibrator by Direct Method	600 °C to 1290 °C	1.2 °C
44	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - S Type	Using Multifunction Calibrator by Direct Method	50 °C to 1690 °C	1.41 °C
45	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - T Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 390 °C	0.98 °C
46	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT 100)	Using Multifunction Calibrator by Direct Method	(-) 199 °C to 790 °C	0.83 °C
47	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - B Type	Using Multifunction Calibrator by Direct Method	600 °C to 1600 °C	2.48 °C
48	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - E Type	Using Multifunction Calibrator by Direct Method	(-) 90 °C to 590 °C	0.95 °C



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49	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - J Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 1190 °C	0.97 °C
50	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - K Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 1290 °C	0.98 °C
51	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - N Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 1290 °C	1.04 °C
52	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - R Type	Using Multifunction Calibrator by Direct Method	100 °C to 1690 °C	1.33 °C
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - T Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 400 °C	0.95 °C
54	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Time Calibrator by Comparison Method	5 s to 86400 s	0.64 s to 1.05 s
55	FLUID FLOW-FLOW MEASURING DEVICES	Flow Velocity (Air)	Using Standard Pitot Tube by Comparison Method as per 40 CFR Part 60 - APPENDIX A	3 m/s to 25 m/s	1.42 %



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56	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air)	Using Orifice Air Flow Calibrator by Comparison Method	0.01 m <sup>3</sup> to 0.6 m <sup>3</sup> @ 5 LPM to 120 LPM	4.2 %
57	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air)	Using Air Flow Calibrator by Comparison Method	0.3 LPM to 1 LPM	3.34 %
58	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air)	Using Air Flow Calibrator by Comparison Method	1 LPM to 100 LPM	1.6 %
59	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non Contact Type)	Using Tachometer and RPM Generator by Comparison Method	100 RPM to 20000 RPM	1.66 %rdg
60	MECHANICAL-ACCELERATION AND SPEED	Tachometer - (Contact Type)	Using Tachometer and RPM Generator by Comparison Method	100 RPM to 8000 RPM	1.8 %rdg
61	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Comparison Method	114 dB	1.16 dB
62	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Comparison Method	94 dB	1.16 dB
63	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor (L.C.: 5 minute)	Using Angle Gauge by Comparison Method	90° - 0° - 90°	4 minute of arc



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64	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge - Transmission Error (L.C.: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	0 to 1 mm	6.8 µm
65	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Foil	Using Electronic Probe with DRO and Comparator Stand by Comparison Method	10 µm to 690 µm	2.3 µm
66	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 0.001 mm)	Using Coating Thickness Foils by Comparison Method	10 µm to 690 µm	2.4 µm
67	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Degree Protractor (L.C.: 1°)	Using Angle Gauge by Comparison Method	90° - 0° - 90°	35 minute of arc
68	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Vernier Caliper (L.C.: 0.01 mm)	Using Slip Gauge Set, Long Slip Gauge Set by Comparison Method	0 to 200 mm	8.5 µm
69	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge (L.C.: 0.01 mm)	Using Slip Gauge by Comparison Method	0 to 10 mm	5.6 µm



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70	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Micrometer Checker and Slip Gauge Set by Comparison Method	0 to 25 mm	1.5 µm
71	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.01 mm)	Using Micrometer Checker, Long Slip Gauge and Slip Gauge Set by Comparison Method	0 to 300 mm	8.3 µm
72	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Comparator Stand with Electronic Probe with DRO by Comparison Method	0.02 mm to 1 mm	2.8 µm
73	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (L.C.: 0.01 mm)	Using Caliper Checker and Surface Plate by Comparison Method	0 to 1000 mm	15 µm
74	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Dial Gauge (L.C.: 0.01 mm)	Using Dial Calibration Tester by Comparison Method	0 to 1.5 mm	3.8 µm
75	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Tape (L.C.: 1 mm)	Using Tape and Scale Calibrator by Comparison Method	0 to 50 m	310xSQRT(L/1000) µm, where L in mm



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76	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Rod	Using Comparator Stand with DRO and Slip Gauge Set by Comparison Method	>100 mm to 275 mm	2.31 µm
77	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Rod	Using Comparator Stand with DRO and Slip Gauge Set by Comparison Method	25 mm to 100 mm	1.37 µm
78	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	Using Comparator Stand with DRO and Slip Gauge Set by Comparison Method	3 mm to 100 mm	1.8 µm
79	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Gauge (L.C.: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	0 to 1 mm	2.5 µm
80	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Gauge (L.C.: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	1 mm to 10 mm	3.5 µm
81	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Gauge (L.C.: 0.01 mm)	Using Comparator Stand with DRO and Slip Gauge Set by Comparison Method	0 to 50 mm	4.8 µm



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82	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Steel Scale (L.C.: 1 mm)	Using Tape and Scale Calibrator by Comparison Method	0 to 1000 mm	176 µm
83	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ultrasonic Thickness Gauge (L.C.: 0.1 mm)	Using Slip Gauge Set and Long Slip Gauge Set by Comparison Method	0 to 200 mm	57.8 µm
84	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper (L.C.: 0.01 mm)	Using Caliper Checker by Comparison Method	0 to 300 mm	10.7 µm
85	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper (L.C.: 0.02 mm)	Using Caliper Checker by Comparison Method	0 to 1000 mm	16.3 µm
86	MECHANICAL-PRESSURE INDICATING DEVICES	Barometer	Using Absolute Pressure Gauge, Vacuum Pump and Chamber by Comparison Method	950 mbar to 1050 mbar	1.74 mbar
87	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Transmitter, Pressure Sensor, Pressure Indicator - Hydraulic Pressure	Using Digital Pressure Gauge with Hydraulic Pump, Multifunction Calibrator by Comparison Method as per DKD-R 6-1	0 to 700 bar	0.61 bar



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88	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Transmitter, Pressure Sensor, Pressure Indicator - Pneumatic Pressure	Using Digital Pressure Gauge with Pneumatic Pump, Multifunction Calibrator by Comparison Method as per DKD-R 6-1	0 to 2 bar	0.0015 bar
89	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Transmitter, Pressure Sensor, Pressure Indicator - Pneumatic Pressure	Using Digital Pressure Gauge with Pneumatic Pump, Multifunction Calibrator by Comparison Method as per DKD-R 6-1	0 to 40 bar	0.024 bar
90	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Transmitter, Pressure Sensor, Pressure Indicator, Manometer, Magnehelic Gauge, Differential Pressure Gauge - Pneumatic Pressure	Using Digital Manometer with Pneumatic Pump, Multifunction Calibrator by Comparison Method as per DKD-R 6-1	0 to 900 mbar	1.35 mbar
91	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauge	Using Digital Vacuum Gauge with Pneumatic Pump by Comparison Method as per DKD-R 6-1	(-) 0.85 bar to 0 bar	0.0019 bar
92	MECHANICAL-VOLUME	Glass Ware and Plastic Ware (Beaker, Two Necked Flask)	Using Digital Weighing Balance (Readability: 10 mg) by Gravimetric Method	>1 l to 2 l	0.74 ml



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93	MECHANICAL-VOLUME	Glass Ware and Plastic Ware (Beaker, Two Necked Flask)	Using Digital Weighing Balance (Readability: 1 mg) by Gravimetric Method	>100 ml to 500 ml	0.84 ml
94	MECHANICAL-VOLUME	Glass Ware and Plastic Ware (Beaker, Two Necked Flask)	Using Digital Semi Micro Balance (Readability: 0.01 mg & 0.1 mg) by Gravimetric Method	10 ml to 100 ml	0.46 ml
95	MECHANICAL-VOLUME	Glass Ware and Plastic Ware (Measuring Cylinder, Flask)	Using Digital Weighing Balance (Readability: 10 mg) by Gravimetric Method as per IS 18235: 2023	>1 l to 5 l	2.4 ml
96	MECHANICAL-VOLUME	Glass Ware and Plastic Ware (Measuring Cylinder, Flask)	Using Digital Weighing Balance (Readability: 1 mg) by Gravimetric Method as per IS 18235: 2023	>100 ml to 500 ml	0.36 ml
97	MECHANICAL-VOLUME	Glass Ware and Plastic Ware (Pipette, Burette, Measuring Cylinder, Flask)	Using Digital Balance (Readability: 0.01 mg & 0.1 mg) by Gravimetric Method as per IS 18235: 2023	>10 ml to 100 ml	0.115 ml
98	MECHANICAL-VOLUME	Glass Ware and Plastic Ware (Pipette, Burette, Measuring Cylinder, Flask)	Using Digital Semi Micro Balance (Readability: 0.01 mg) by Gravimetric Method as per IS 18235: 2023	1 ml to 10 ml	0.046 ml



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99	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.001 mg)	Using E1 Class Weights by Comparison Method as per OIML R 76-1	0 to 11 g	0.034 mg
100	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.01 mg)	Using E1 Class Weights by Comparison Method as per OIML R 76-1	0 to 100 g	0.3 mg
101	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.1 mg)	Using E1 Class Weights by Comparison Method as per OIML R 76-1	0 to 200 g	0.3 mg
102	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class II and Coarser (Readability: 1 mg)	Using E1, E2 Class Weights by Comparison Method as per OIML-R 76-1	0 to 1 kg	2.32 mg
103	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class II and Coarser (Readability: 10 mg)	Using E1, E2 Class Weights by Comparison Method as per OIML R 76-1	0 to 6 kg	26.8 mg
104	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class III and Coarser (Readability: 1 g)	Using F1 Class Weights by Comparison Method as per OIML R 76-1	0 to 50 kg	2.9 g
105	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class III and Coarser (Readability: 100 mg)	Using F1 Class Weights by Comparison Method as per OIML R 76-1	0 to 10 kg	0.24 g
106	MECHANICAL-WEIGHTS	Weight (E2 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	10 g	0.012 mg



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107	MECHANICAL-WEIGHTS	Weight (E2 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	10 mg	0.002 mg
108	MECHANICAL-WEIGHTS	Weight (E2 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	100 g	0.04 mg
109	MECHANICAL-WEIGHTS	Weight (E2 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	100 mg	0.004 mg
110	MECHANICAL-WEIGHTS	Weight (E2 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	2 mg	0.002 mg
111	MECHANICAL-WEIGHTS	Weight (E2 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	20 g	0.018 mg



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112	MECHANICAL-WEIGHTS	Weight (E2 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	20 mg	0.003 mg
113	MECHANICAL-WEIGHTS	Weight (E2 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.1 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	200 g	0.1 mg
114	MECHANICAL-WEIGHTS	Weight (E2 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	200 mg	0.006 mg
115	MECHANICAL-WEIGHTS	Weight (E2 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	5 g	0.01 mg
116	MECHANICAL-WEIGHTS	Weight (E2 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	5 mg	0.002 mg



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117	MECHANICAL-WEIGHTS	Weight (E2 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	50 g	0.03 mg
118	MECHANICAL-WEIGHTS	Weight (E2 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	50 mg	0.004 mg
119	MECHANICAL-WEIGHTS	Weight (F1 class and coarser)	Using E1 Class Weight and Balance (Readability: 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	1 g	0.024 mg
120	MECHANICAL-WEIGHTS	Weight (F1 Class and Coarser)	Using E2 Class Weight and Balance (Readability: 1 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	1 kg	1.6 mg
121	MECHANICAL-WEIGHTS	Weight (F1 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	1 mg	0.005 mg



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122	MECHANICAL-WEIGHTS	Weight (F1 class and coarser)	Using E1 Class Weight and Balance (Readability: 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	2 g	0.024 mg
123	MECHANICAL-WEIGHTS	Weight (F1 Class and Coarser)	Using E1 Class Weight and Balance (Readability: 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	500 mg	0.009 mg
124	MECHANICAL-WEIGHTS	Weight (F2 Class and Coarser)	Using E2 Class Weight and Balance (Readability: 0.01 g) by Substitution Method (ABBA Cycle) as per OIML R 111-1	2 kg	10 mg
125	MECHANICAL-WEIGHTS	Weight (F2 Class and Coarser)	Using F1 Class Weight and Balance (Readability: 0.1 g) by Substitution Method (ABBA Cycle) as per OIML R 111-1	20 kg	100 mg
126	MECHANICAL-WEIGHTS	Weight (F2 Class and Coarser)	Using E2 Class Weight and Balance (Readability: 0.01 g) by Substitution Method (ABBA Cycle) as per OIML R 111-1	5 kg	10 mg



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127	MECHANICAL-WEIGHTS	Weight (F2 Class and Coarser)	Using E2 Class Weight and Balance (Readability: 1 mg) by Substitution Method (ABBA Cycle) as per OIML R 111-1	500 g	1.3 mg
128	MECHANICAL-WEIGHTS	Weight (M1 Class and Coarser)	Using F1 Class Weight and Balance (Readability: 0.1 g) by Substitution Method (ABBA Cycle) as per OIML R 111-1	10 kg	100 mg
129	MECHANICAL-WEIGHTS	Weight (M2 Class and Coarser)	Using F1 Class Weight and Balance (Readability: 1 g) by Substitution Method (ABBA Cycle) as per OIML R 111-1	50 kg	1 g
130	THERMAL-SPECIFIC HEAT & HUMIDITY	Thermo Hygrometer @ 50 %RH	Using Temperature and RH Indicator with Sensor, Temperature and Humidity Chamber by Comparison Method	10 °C to 50 °C	0.69 °C
131	THERMAL-SPECIFIC HEAT & HUMIDITY	Thermo Hygrometer, RH Indicator with sensor @ 25 °C	Using Temperature and RH Indicator with sensor, Temperature and Humidity Chamber by Comparison Method	20 %RH to 90 %RH	1.9 %RH
132	THERMAL-TEMPERATURE	Digital Thermometer	Using RTD with Indicator and Oil Bath by Comparison Method	>50 °C to 250 °C	0.30 °C



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133	THERMAL-TEMPERATURE	Digital Thermometer	Using RTD with Indicator and Negative Bath (Medium - Methanol) by Comparison Method	(-) 5 °C to 50 °C	0.13 °C
134	THERMAL-TEMPERATURE	Indicator with sensor of Chamber, Freezer, Bath - Single Position	Using RTD with Indicator by Comparison Method	(-) 40 °C to 50 °C	0.28 °C
135	THERMAL-TEMPERATURE	IR Thermometer (Emissivity: 0.95)	Using IR Thermometer with Black Body Source by Comparison Method	50 °C to 500 °C	4.41 °C
136	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD with Indicator and Negative Bath (Medium - Methanol) by Comparison Method	(-) 5 °C to 50 °C	0.13 °C
137	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD with Indicator and Oil Bath by Comparison Method	>50 °C to 250 °C	0.81 °C
138	THERMAL-TEMPERATURE	RTD with Indicator, Temperature Gauge, Temperature Transmitter	Using RTD with Indicator, Multifunction Calibrator, Low Temperature Bath by Comparison Method	(-) 40 °C to 50 °C	0.17 °C



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139	THERMAL-TEMPERATURE	RTD with Indicator, Temperature Gauge, Temperature Transmitter	Using RTD with Indicator, Multifunction Calibrator, Dry Block by Comparison Method	>250 °C to 400 °C	0.24 °C
140	THERMAL-TEMPERATURE	RTD with Indicator, Temperature Gauge, Temperature Transmitter	Using RTD with Indicator, Multifunction Calibrator, Oil Bath by Comparison Method	>50 °C to 250 °C	0.21 °C
141	THERMAL-TEMPERATURE	RTD without Indicator	Using RTD with Indicator, Multifunction Calibrator, Low Temperature Bath by Comparison Method	(-) 40 °C to 50 °C	0.17 °C
142	THERMAL-TEMPERATURE	RTD without Indicator	Using RTD with Indicator, Multifunction Calibrator, Dry Bath by Comparison Method	250 °C to 400 °C	0.24 °C
143	THERMAL-TEMPERATURE	RTD without Indicator	Using RTD with Indicator, Multifunction Calibrator, Liquid Bath by Comparison Method	50 °C to 250 °C	0.23 °C
144	THERMAL-TEMPERATURE	Thermocouple with Indicator, Temperature Transmitter	Using S Type Thermocouple with Indicator, Multifunction Calibrator and Dry Block by Comparison Method	250 °C to 1200 °C	1.70 °C



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145	THERMAL-TEMPERATURE	Thermocouple without Indicator	Using S Type Thermocouple with Indicator, Multifunction Calibrator, Dry Bath by Comparison Method	250 °C to 1200 °C	2.15 °C



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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	1 A to 10 A	3.15 % to 0.41 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	1 mA to 1 A	0.16 % to 3.15 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	1 mA to 1 A	0.16 % to 3.15 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	1 mV to 100 mV	1.41 % to 0.43 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter by Direct method	1 V to 1000 V	0.59 % to 0.1 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	100 mV to 1 V	0.43 % to 0.59 %



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7	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using 5½ Multifunction Calibrator by Direct Method	1 A to 10 A	0.71 % to 1.22 %
8	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using 5½ Multifunction Calibrator by Direct Method	1 mA to 1 A	1 % to 0.71 %
9	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using 5½ Multifunction Calibrator with Current Coil by Direct Method	10 A to 1000 A	0.55 % to 1.26 %
10	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using 5½ Multifunction Calibrator by Direct Method	1 mV to 1 V	2.41 % to 0.39 %
11	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using 5½ Multifunction Calibrator by Direct Method	1 V to 1000 V	0.39 % to 0.25 %
12	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	1 A to 10 A	0.08 % to 0.19 %
13	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	1 mA to 1 A	0.06 % to 0.08 %



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14	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	1 mV to 1 V	0.85 % to 0.11 %
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	1 V to 1000 V	0.11 % to 0.08 %
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter by Direct Method	1 Mohm to 10 Mohm	0.19 % to 0.026 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter by Direct Method	10 Mohm to 100 Mohm	0.026 % to 0.97 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter by Direct Method	100 kohm to 1 Mohm	0.022 % to 0.19 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 2 Wire	Using 6½ Digit Multimeter by Direct Method	100 Mohm to 1 Gohm	0.97 % to 2.4 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter by Direct Method	1 kohm to 10 kohm	0.012 % to 0.13 %



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21	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter by Direct Method	1 ohm to 100 ohm	2.54 % to 0.013 %
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter by Direct Method	10 kohm to 100 kohm	0.13 % to 0.022 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance - 4 Wire	Using 6½ Digit Multimeter by Direct Method	100 ohm to 1 kohm	0.013 % to 0.012 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5½ Multifunction Calibrator by Direct Method	1 A to 10 A	0.69 % to 0.15 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5½ Multifunction Calibrator by Direct Method	1 mA to 1 A	1.01 % to 0.69 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5½ Multifunction Calibrator with Current Coil by Direct Method	10 A to 1000 A	0.62 % to 1.02 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5½ Multifunction Calibrator by Direct Method	1 mV to 1 V	1.43 % to 0.17 %



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28	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5½ Multifunction Calibrator by Direct Method	1 V to 1000 V	0.17 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Decade Resistance Box by Direct Method	1 Mohm to 100 Mohm	0.13 % to 1.16 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Decade Resistance Box by Direct Method	100 kohm to 1 Mohm	0.13 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Decade Resistance Box by Direct Method	100 Mohm to 1000 Mohm	1.16 % to 2.37 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 4 Wire	Using Decade Resistance Box by Direct Method	1 kohm to 100 kohm	0.13 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 4 Wire	Using Decade Resistance Box by Direct Method	1 ohm to 100 ohm	0.23 % to 0.13 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 4 Wire	Using Decade Resistance Box by Direct Method	100 ohm to 1 kohm	0.13 %



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35	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Digital Conductivity Meter / Conductivity Indicator (1 $\mu$ S to 200 mS)	Using Decade Resistance Box by Simulation Method	5 ohm to 1 Mohm	1.7 % to 0.82 %
36	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Digital pH Indicator / pH meter (0 pH to 14 pH)	Using Multifunction Calibrator by Simulation Method	(-) 414 mV to 414 mV	0.8 %
37	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT 100)	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 790 °C	0.57 °C
38	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - B Type	Using Multifunction Calibrator by Direct Method	600 °C to 1690 °C	2.39 °C
39	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - E Type	Using Multifunction Calibrator by Direct Method	100 °C to 590 °C	0.69 °C
40	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - J Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 1190 °C	0.53 °C
41	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - K Type	Using Multifunction Calibrator by Direct Method	50 °C to 1190 °C	0.51 °C



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42	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - N Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 1290 °C	0.61 °C
43	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - R Type	Using Multifunction Calibrator by Direct Method	600 °C to 1290 °C	1.2 °C
44	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - S Type	Using Multifunction Calibrator by Direct Method	50 °C to 1690 °C	1.41 °C
45	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - T Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 390 °C	0.98 °C
46	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT 100)	Using Multifunction Calibrator by Direct Method	(-) 199 °C to 790 °C	0.83 °C
47	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - B Type	Using Multifunction Calibrator by Direct Method	600 °C to 1600 °C	2.48 °C
48	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - E Type	Using Multifunction Calibrator by Direct Method	(-) 90 °C to 590 °C	0.95 °C



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49	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - J Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 1190 °C	0.97 °C
50	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - K Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 1290 °C	0.98 °C
51	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - N Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 1290 °C	1.04 °C
52	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - R Type	Using Multifunction Calibrator by Direct Method	100 °C to 1690 °C	1.33 °C
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - T Type	Using Multifunction Calibrator by Direct Method	(-) 190 °C to 400 °C	0.95 °C
54	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Time Calibrator by Comparison Method	5 s to 86400 s	0.64 s to 1.05 s
55	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air)	Using Air Flow Calibrator by Comparison Method	0.3 LPM to 1 LPM	3.34 %



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56	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air)	Using Top Loading Calibrator by Comparison Method as per USEPA - Method IO - 2.1	0.6 m <sup>3</sup> /minute to 1.4 m <sup>3</sup> /minute	2.9 %
57	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air)	Using Air Flow Calibrator by Comparison Method	1 LPM to 100 LPM	1.6 %
58	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Water)	Using Ultrasonic Flow Meter (Clamp on Type) by Comparison Method	1 m <sup>3</sup> /hr to 450 m <sup>3</sup> /hr	1.4 %
59	MECHANICAL-ACCELERATION AND SPEED	Magnetic Stirrer / Centrifuge / RPM Meter with RPM Source / RPM Indicator with RPM Source (Non Contact Type)	Using Tachometer by Direct Method	100 RPM to 20000 RPM	1.66 %rdg
60	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non Contact Type)	Using Tachometer and RPM Generator by Comparison Method	100 RPM to 20000 RPM	1.66 %rdg
61	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Transmitter, Pressure Sensor, Pressure Indicator - Hydraulic Pressure	Using Digital Pressure Gauge with Hydraulic Pump, Multifunction Calibrator by Comparison Method as per DKD-R 6-1	0 to 700 bar	0.61 bar



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62	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Transmitter, Pressure Sensor, Pressure Indicator - Pneumatic Pressure	Using Digital Pressure Gauge with Pneumatic Pump, Multifunction Calibrator by Comparison Method as per DKD-R 6-1	0 to 2 bar	0.0015 bar
63	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Transmitter, Pressure Sensor, Pressure Indicator - Pneumatic Pressure	Using Digital Pressure Gauge with Pneumatic Pump, Multifunction Calibrator by Comparison Method as per DKD-R 6-1	0 to 40 bar	0.024 bar
64	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Transmitter, Pressure Sensor, Pressure Indicator, Manometer, Magnehelic Gauge, Differential Pressure Gauge - Pneumatic Pressure	Using Digital Manometer with Pneumatic Pump, Multifunction Calibrator by Comparison Method as per DKD-R 6-1	0 to 900 mbar	1.35 mbar
65	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauge	Using Digital Vacuum Gauge with Pneumatic Pump by Comparison Method as per DKD-R 6-1	(-) 0.85 bar to 0 bar	0.0019 bar
66	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.001 mg)	Using E1 Class Weights by Comparison Method as per OIML R 76-1	0 to 11 g	0.034 mg
67	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.01 mg)	Using E1 Class Weights by Comparison Method as per OIML R 76-1	0 to 100 g	0.3 mg



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68	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.1 mg)	Using E1 Class Weights by Comparison Method as per OIML R 76-1	0 to 200 g	0.3 mg
69	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class II and Coarser (Readability: 1 mg)	Using E1, E2 Class Weights by Comparison Method as per OIML-R 76-1	0 to 1 kg	2.32 mg
70	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class II and Coarser (Readability: 10 mg)	Using E1, E2 Class Weights by Comparison Method as per OIML R 76-1	0 to 6 kg	26.8 mg
71	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class III and Coarser (Readability: 1 g)	Using F1 Class Weights by Comparison Method as per OIML R 76-1	0 to 50 kg	2.9 g
72	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class III and Coarser (Readability: 100 mg)	Using F1 Class Weights by Comparison Method as per OIML R 76-1	0 to 10 kg	0.24 g
73	THERMAL-SPECIFIC HEAT & HUMIDITY	Thermo Hygrometer, RH Indicator with sensor @ 25 °C	Using Temperature and RH Indicator with sensor, Temperature and Humidity Chamber by Comparison Method	20 %RH to 90 %RH	1.9 %RH
74	THERMAL-TEMPERATURE	Indicator with sensor of Chamber, Freezer, Bath - Single Position	Using RTD with Indicator by Comparison Method	(-) 40 °C to 50 °C	0.28 °C



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75	THERMAL-TEMPERATURE	Indicator with sensor of Environmental Chamber, BOD Incubator, COD Digester, Bath, Dry Block, Furnace, Autoclave (Non Medical Purpose only) - Single Position	Using RTD with Indicator by Comparison Method	25 °C to 250 °C	0.59 °C
76	THERMAL-TEMPERATURE	Indicator with sensor of Furnace, Bath - Single Position	Using S Type Thermocouple with Indicator by Comparison Method	250 °C to 1200 °C	1.84 °C
77	THERMAL-TEMPERATURE	Indicator with sensor of Hot Air Oven - Single Position	Using RTD with Indicator by Comparison Method	25 °C to 400 °C	0.59 °C
78	THERMAL-TEMPERATURE	RTD with Indicator, Temperature Gauge, Temperature Transmitter	Using RTD with Indicator, Multifunction Calibrator, Low Temperature Bath by Comparison Method	(-) 40 °C to 50 °C	0.17 °C
79	THERMAL-TEMPERATURE	RTD with Indicator, Temperature Gauge, Temperature Transmitter	Using RTD with Indicator, Multifunction Calibrator, Dry Block by Comparison Method	>250 °C to 400 °C	0.24 °C
80	THERMAL-TEMPERATURE	RTD with Indicator, Temperature Gauge, Temperature Transmitter	Using RTD with Indicator, Multifunction Calibrator, Oil Bath by Comparison Method	>50 °C to 250 °C	0.21 °C



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81	THERMAL-TEMPERATURE	RTD without Indicator	Using RTD with Indicator, Multifunction Calibrator, Low Temperature Bath by Comparison Method	(-) 40 °C to 50 °C	0.17 °C
82	THERMAL-TEMPERATURE	RTD without Indicator	Using RTD with Indicator, Multifunction Calibrator, Dry Bath by Comparison Method	250 °C to 400 °C	0.24 °C
83	THERMAL-TEMPERATURE	RTD without Indicator	Using RTD with Indicator, Multifunction Calibrator, Liquid Bath by Comparison Method	50 °C to 250 °C	0.23 °C
84	THERMAL-TEMPERATURE	Thermocouple with Indicator, Temperature Transmitter	Using S Type Thermocouple with Indicator, Multifunction Calibrator and Dry Block by Comparison Method	250 °C to 1200 °C	1.70 °C
85	THERMAL-TEMPERATURE	Thermocouple without Indicator	Using S Type Thermocouple with Indicator, Multifunction Calibrator, Dry Bath by Comparison Method	250 °C to 1200 °C	2.15 °C

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