National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	GALAXY TEST & CALIBRATION LAB, B-107 & B-108, 1ST FLOOR, GANPATI PLAZA, BHIWADI, ALWAR, RAJASTHAN, INDIA		
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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	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (50 Hz to 1 kHz)	Using 6½ Digital Multimeter By Direct Method	200 mA to 10 A	0.35 % to 0.26 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (Frequency 50 Hz to 1 kHz)	Using 6½ Digital Multimeter By Direct Method	10 µA to 2 mA	1.15 % to 0.52 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (Frequency 50 Hz to 1 kHz)	Using 6½ Digital Multimeter By Direct Method	2 mA to 200 mA	0.52 % to 0.35 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (Frequency 50 Hz to 1 kHz)	Using 6½ Digital Multimeter By Direct Method	1 mV to 100 mV	0.52 % to 0.12 %

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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (Frequency 50 Hz to 1 kHz)	Using 6½ Digital Multimeter By Direct Method	100 mV to 1000 V	0.12 % to 0.11 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using Digital LCR-Q-Meter By direct Method	100 pF to 100 µF	0.3 % to 0.51 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @1 kHz	Using Digital LCR-Q-Meter By direct Method	100 µH to 10 H	0.45 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current (50 Hz to 1 kHz)	Using Universal Calibration system by Direct Method	100 µA to 300 mA	0.43 % to 0.2 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current (50 Hz)	Using Universal Calibration system with Current Coil by Direct Method	50 A to 1000 A	0.39 % to 0.73 %

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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current (Frequency 50 Hz to 1 kHz)	Using Universal Calibration system by Direct Method	300 mA to 20 A	0.2 % to 0.39 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Power (50 Hz, CosØ: 1, 40 V to 600 V, 100 mA to 20 A)	Using Multi Product Calibrator by Direct Method	4 W to 12 kW	2 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (50 Hz to 1 kHz)	Using Universal Calibration system by Direct Method	10 mV to 30 mV	1.16 % to 0.12 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (50 Hz to 1 kHz)	Using Universal Calibration system by Direct Method	30 mV to 30 V	0.12 % to 0.06 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (50 Hz to 1 kHz)	Using Universal Calibration system by Direct Method	30 V to 1000 V	0.06 % to 0.08 %
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Universal Calibration system by Direct Method	4 µF to 10 mF	1.1 % to 3.7 %

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16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @1 kHz	Using Universal Calibration system by Direct Method	1 nF to 4 µF	4.21 % to 1.10 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (240 V & 5A)	Using Multi- Product Calibrator by Direct Method	0.1 (Lag/Lead) to 1 (Lag/Lead)	1.9 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	20 µA to 200 mA	0.22 % to 0.071 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	1 µA to 20 µA	3.01 % to 0.22 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter & MFC By Comparison Method	1 µA to 20 µA	3.10 % to 0.22 %
21	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter & MFC By Comparison Method	20 µA to 200 mA	0.22 % to 0.071 %

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22	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter & MFC By Comparison Method	200 mA to 10 A	0.071 % to 0.21 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	200 mA to 10 A	0.071 % to 0.21 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter & MFC By Comparison Method	1 mV to 100 mV	0.8 % to 0.01 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter By Direct Method	1 mV to 100 mV	0.8 % to 0.01 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter & MFC By Comparison Method	10 V to 1000 V	0.009 % to 0.019 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter By Direct Method	10 V to 1000 V	0.009 % to 0.019 %

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28	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter & MFC By Comparison Method	100 mV to 10 V	0.01 % to 0.009 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter By Direct Method	100 mV to 10 V	0.01 % to 0.009 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter By Direct Method	100 k ohm to 10 M ohm	0.08 % to 0.17 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter By Direct Method	100 ohm to 100 k ohm	0.09 % to 0.08 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter By Direct Method	10 M ohm to 1000 M ohm	0.17 % to 2.34 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digital Multimeter & Universal Calibration system by VI Method	0.001 ohm to 1 ohm	0.11 % to 0.08 %

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34	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 6½ Digital Multimeter By Direct Method	1 ohm to 100 ohm	0.96 % to 0.09 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Universal Calibration system by Direct Method	1 µA to 10 µA	1.45 % to 0.16 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Universal Calibration system by Direct Method	10 µA to 30 µA	0.16 % to 0.06 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Universal Calibration system by Direct Method	30 µA to 300 mA	0.06 % to 0.05 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Universal Calibration system by Direct Method	300 mA to 20 A	0.05 % to 0.37 %
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Universal Calibration system with Current Coil by Direct Method	50 A to 1000 A	0.37 % to 0.6 %

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40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (Cos Ø:1, 40 V to 600 V, 100 mA to 20 A)	Using Multi Product Calibrator by Direct Method	4 W to 12 kW	0.2 % to 0.9 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Universal Calibration system by Direct Method	1 mV to 10 mV	0.5 % to 0.08 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Universal Calibration system by Direct Method	10 mV to 30 mV	0.08 % to 0.03 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Universal Calibration system by Direct Method	30 mV to 30 V	0.03 % to 0.01 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Universal Calibration system by Direct Method	30 V to 1000 V	0.01 % to 0.013 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Universal Calibration system by Direct Method	1 ohm to 10 ohm	2.41 % to 0.3 %

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46	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Universal Calibration system by Direct Method	10 ohm to 40 ohm	0.3 % to 0.12 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Standard Mega Ohm Box by Direct Method	2 M ohm	1.31 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Standard Mega Ohm Box by Direct Method	20 M ohm	1.45 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Standard Mega Ohm Box by Direct Method	200 M ohm	2.63 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Universal Calibration system by Direct Method	40 ohm to 400 k ohm	0.12 % to 0.024 %
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Standard Mega Ohm Box by Direct Method	2 G ohm	3.1 %

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52	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Standard Mega Ohm Box by Direct Method	20 G ohm	6.3 %
53	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	0.001 ohm	0.24 %
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	0.01 ohm	0.24 %
55	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	0.1 ohm	0.24 %
56	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	1 kohm	0.24 %
57	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	1.0 ohm	0.28 %

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58	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	10 ohm	0.24 %
59	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	100 ohm	0.24 %
60	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Universal Calibration system by Direct Method	400 k ohm to 40 M ohm	0.024 % to 0.073 %
61	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Universal Calibration system by Direct Method	40 Mohm to 400 M ohm	0.073 % to 0.44 %
62	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	PH Meter (Simulation Method)	Using Universal Calibration System by direct method	0 pH to 14 pH (-414.12mV to 414.12 mV)	0.44 pH
63	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	TDS/ Conductivity Meter (simulation method)	Using Universal Calibration system by Direct Method	0.5 µS/cm to 1000 mS/cm (500 ohm to 2 mega Ohm)	1 % to 25 %

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64	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B Type Thermocouple	Using Temperature Scanner By Direct Method	600 °C to 1800 °C	1.4 °C
65	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E Type Thermocouple	Using Temperature Scanner By Direct Method	(-) 200 °C to 1000 °C	0.4 °C
66	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J Type Thermocouple	Using Temperature Scanner By Direct Method	(-) 200 °C to 1200 °C	0.4 °C
67	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K Type Thermocouple	Using Temperature Scanner By Direct Method	(-) 200 °C to 1200 °C	0.5 °C
68	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N Type Thermocouple	Using Temperature Scanner By Direct Method	(-) 200 °C to 1200 °C	0.56 °C
69	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R Type Thermocouple	Using Temperature Scanner By Direct Method	0 °C to 1700 °C	1.73 °C

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70	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD PT 100 Type	Using Temperature Scanner By Direct Method	(-) 200 °C to 800 °C	0.6 °C
71	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD PT 100 type	Using 6½ Digital Multimeter By Direct Method	(-)200 °C to 600 °C	0.26 °C
72	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S Type Thermocouple	Using Temperature Scanner By Direct Method	0 to 1700 °C	1.3 °C
73	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T Type Thermocouple	Using Temperature Scanner By Direct Method	(-)200 °C to 400 °C	0.46 °C
74	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using Universal Calibration system by Direct Method	600 °C to 1800 °C	1.1 °C
75	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E Type Thermocouple	Using Universal Calibration system by Direct Method	(-) 200 °C to 1000 °C	0.3 °C

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76	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using Universal Calibration system by Direct Method	(-) 200 °C to 1200 °C	0.32 °C
77	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using Universal Calibration system by Direct Method	(-) 200 °C to 1300 °C	0.37 °C
78	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N Type Thermocouple	Using Universal Calibration system by Direct Method	(-) 200 °C to 1200 °C	0.4 °C
79	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using Universal Calibration system by Direct Method	0 to 1700 °C	1.01 °C
80	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD PT 100 Type	Using Universal Calibration system by Direct Method	(-)200 °C to 800 °C	0.56 °C
81	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using Universal Calibration system by Direct Method	0 to 1700 °C	1.0 °C

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82	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using Universal Calibration system by Direct Method	(-)200 °C to 400 °C	0.33 °C
83	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digital Multimeter By Direct Method	10 Hz to 1 MHz	0.12 % to 0.01 %
84	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Time Totalizer By Comparison Method	10 s to 24 hrs	0.417 s to 111.4 s
85	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Universal Calibration system by Direct Method	1 Hz to 1 MHz	0.6 % to 0.06 %
86	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Universal Calibration system by Direct Method	1 MHz to 10 MHz	0.06 % to 0.006 %

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87	MECHANICAL-ACCELERATION AND SPEED	Contact type rpm (Digital/Analogue Tachometer / RPM Meter / Tachometer Meter Calibrator)	Using standard digital tachometer & RPM source by comparison method By Using standard SANAS TR 45-03: 2023	10 rpm to 100 rpm	1.4 rpm
88	MECHANICAL-ACCELERATION AND SPEED	Contact type rpm (Digital/Analogue Tachometer / RPM Meter / Tachometer Meter Calibrator)	Using standard digital tachometer & RPM source by comparison method By Using standard SANAS TR 45-03: 2023	100 rpm to 3000 rpm	4.8 rpm
89	MECHANICAL-ACCELERATION AND SPEED	Contact type rpm (Digital/Analogue Tachometer / RPM Meter / Tachometer Meter Calibrator)	Using standard digital tachometer & RPM source by comparison method By Using standard SANAS TR 45-03: 2023	3000 rpm to 6000 rpm	10.2 rpm
90	MECHANICAL-ACCELERATION AND SPEED	NON-Contact type rpm(Digital/Analogue Tachometer & RPM Meter, RPM Meter Of Centrifuge)	Using standard digital tachometer & RPM source by comparison method/By Using SANAS TR45-02	10 rpm to 100 rpm	1.9 rpm

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91	MECHANICAL-ACCELERATION AND SPEED	NON-Contact type rpm(Digital/Analogue Tachometer & RPM Meter, RPM Meter Of Centrifuge)	Using standard digital tachometer & RPM source by comparison method/By Using SANAS TR45-02	100 rpm to 10000 rpm	10.1 rpm
92	MECHANICAL-ACCELERATION AND SPEED	NON-Contact type rpm(Digital/Analogue Tachometer & RPM Meter, RPM Meter Of Centrifuge)	Using standard digital tachometer & RPM source by comparison method/By Using SANAS TR45-02	10000 rpm to 50000 rpm	41 rpm
93	MECHANICAL-ACOUSTICS	Digital/Analogue Sound Level Meter (Frequency At 1 kHz)	Using Sound Calibrator by Direct Method	114 dB	1.2 dB
94	MECHANICAL-ACOUSTICS	Digital/Analogue Sound Level Meter (Frequency At 1 kHz)	Using Sound Calibrator by Direct Method	94 dB	1.0 dB
95	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protector (L.C: 5 min)	Using Steel Angle Gauge Set & Surface Plate by Comparison Method	0° to 90° to 0°	4.5 minutes of arc
96	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge (For Transmission Error) (L.C: 1 µm)	Using Dial Gauge Calibrator by Comparison Method	0 to 1 mm	3.4 µm

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97	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C: 0.1 µm)	Using Standard Thickness Foils by Comparison Method	25 µm to 100 µm	8.5 µm
98	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C: 1 µm)	Using Standard Thickness Foils by Comparison Method	100 µm to 700 µm	8.40 µm
99	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Combination Set /Angle protector (L.C: 1°)	Using Steel Angle Gauge Set & Surface Plate by Comparison Method	0° to 90° to 0°	35 minutes of arc
100	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Comparator Stand - Flatness	Using Lever type Dial Gauge by comparison method	Up to (300x300) mm	8 µm
101	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cube Mould	Using Digital Vernier Caliper by comparison method	0 to 150 mm	22 µm

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102	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Caliper (Digital/Dial/Scale) (L.C: 0.01 mm)	Using Set of slip gauge grade '0' by comparison method	0 to 150 mm	9.90 µm
103	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer (L.C: 0.001 mm)	Using Set of slip gauge grade '0' by comparison method	0 to 25 mm	8.5 µm
104	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge (Lever Type) (L.C: 0.001 mm)	Using Dial Gauge Calibrator by Comparison Method	0 to 0.14 mm	2.96 µm
105	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge (Lever Type) (L.C: 0.01 mm)	Using Dial Gauge Calibrator by Comparison Method	0 to 0.8 mm	6.0 µm
106	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge (Plunger Type) (L.C: 0.001 mm)	Using Dial Gauge Calibrator by Comparison Method	0 to 1 mm	1.8 µm

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107	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge (Plunger Type) (L.C: 0.001 mm)	Using Dial Gauge Calibrator by Comparison Method	0 to 12.7 mm	1.2 µm
108	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge (Plunger Type) (L.C: 0.01 mm)	Using Dial Gauge Calibrator by Comparison Method	0 to 25 mm	6.46 µm
109	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Digital/Dial/Scale) (L.C: 0.0001 mm)	Using Set of slip gauge grade '0' by comparison method	0 to 25 mm	0.9 µm
110	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Digital/Dial/Scale) (L.C: 0.001 mm)	Using Set of slip gauge grade '0' by comparison method	0 to 100 mm	1.8 µm
111	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Digital/Dial/Scale) (L.C: 0.01 mm)	Using Set of slip gauge grade '0' by comparison method	0 to 300 mm	8.8 µm

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112	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Digital Micrometer by Comparison Method	0 to 1 mm	2.6 µm
113	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (Digital/Dial/Scale) (L.C: 0.01 mm)	Using caliper checker & Surface Plate by comparison method	0 to 300 mm	8.8 µm
114	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (Digital/Dial/Scale) (L.C: 0.01 mm)	Using caliper checker & Surface Plate by comparison method	0 to 600 mm	9.93 µm
115	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inside Micrometer (Stick type Micrometer) Overall Length Accuracy of Extension Rod	Using Set of slip gauge grade '0' & caliper checker by comparison method	100 mm to 600 mm	8.6 µm
116	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inside Micrometer/ Stick Micrometer Basic Travel Of Micrometer Head (L.C: 0.01 mm)	Using Set of slip gauge grade '0' by comparison method	50 mm to 100 mm	8.3 µm

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117	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Set of slip gauge grade '0' by comparison method	25 mm to 75 mm	5.31 µm
118	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper/Dial Caliper (L.C: 0.10 mm)	Using Set of slip gauge grade '0' by comparison method	Up to 100 mm	0.067 mm
119	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	Using slip gauge set grade '0', Comparator Stand With Dial Gauge by Comparison Method	1 mm to 100 mm	5.4 µm
120	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge	Using Set of slip gauge grade '0' by comparison method	3 mm to 100 mm	1.21 µm
121	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Digital Vernier Caliper by comparison method	4 mm to 50 mm	26 µm

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122	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Gauge (L.C: 0.001 mm)	Using Set of slip gauge grade '0' by comparison method	0 to 25 mm	6.6 µm
123	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ultra Sonic Thickness Gauge (L.C: 0.1 mm)	Using Set of slip gauge grade '0' by comparison method	0 to 100 mm	67.80 µm
124	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Flatness)	Using slip gauge set grade '0', Straight Mandrel, Lever dial Gauge & Surface Plate by Comparison Method	Up to 150 mm	5.40 µm
125	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Parallelism)	Using slip gauge set grade '0', Straight Mandrel, Lever dial Gauge & Surface Plate by Comparison Method	Up to 150 mm	7.8 µm
126	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Squareness)	Using slip gauge set grade '0', Straight Mandrel, Lever dial Gauge & Surface Plate by Comparison Method	Up to 150 mm	18.3 µm

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127	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Symmetricity)	Using slip gauge set grade '0', Straight Mandrel, Lever dial Gauge & Surface Plate by Comparison Method	Up to 150 mm	7.80 µm
128	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper (Digital/Dial/Scale) (L.C: 0.01 mm)	Using Set of slip gauge grade '0' & caliper checker by comparison method	0 to 150 mm	8.1 µm
129	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper (Digital/Dial/Scale) (L.C: 0.01 mm)	Using Set of slip gauge grade '0' & caliper checker by comparison method	0 to 200 mm	8.12 µm
130	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper (Digital/Dial/Scale) (L.C: 0.01 mm)	Using Set of slip gauge grade '0' & caliper checker by comparison method	0 to 300 mm	8.41 µm
131	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper (Digital/Dial/Scale) (L.C: 0.01 mm)	Using Set of slip gauge grade '0' & caliper checker by comparison method	0 to 600 mm	9.5 µm

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132	MECHANICAL-PRESSURE INDICATING DEVICES	(Digital & Analog) Differential Pressure Gauge / Magnehelic Gauge / Manometer (Pneumatic Pressure)	Using Digital Manometer By Comparison method based on DKD-R-6-1	0 to 2.5 mbar	0.062 mbar
133	MECHANICAL-PRESSURE INDICATING DEVICES	(Digital & Analog) Differential Pressure Gauge / Magnehelic Gauge / Manometer (Pneumatic Pressure)	Using Digital Manometer By Comparison method based on DKD-R-6-1	0 mbar to 100 mbar	0.68 mbar
134	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure: Pressure Gauge (Dial, Digital), Pressure Transmitter/Switch/Valve/Transducer With Or Without Indicator	Using Digital Pressure Gauge with Pressure Pump, Digital Multimeter By Comparison method based on DKD-R-6-1.	0 to 30 bar	0.066 bar
135	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge (Dial, Digital), Pressure Transmitter/Switch/Valve/Transducer With Or Without Indicator (Hydraulic Pressure)	Using Digital Pressure Gauge with Pressure Pump, Digital Multimeter By Comparison method based on DKD-R-6-1	0 to 700 bar	0.44 bar

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136	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge(Dial, Digital), Pressure Transmitter/Switch/Valve/Transducer With Or Without Indicator (Pneumatic Pressure)	Using Digital Pressure Gauge with Pressure Pump, Digital Multimeter By Comparison method based on DKD-R-6-1	0 to 4 bar	0.007 bar
137	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauge, Dial, Digital, Vacuum Transmitter/Switch/ Transducer With Or Without Indicator	Using Digital Pressure Gauge with Vacuum Pump, Digital Multimeter By Comparison method based on DKD-R-6-1.	(-)0.92 bar to 0	0.0065 bar
138	MECHANICAL-VOLUME	Micropipette, Burette, Pipette, Volumetric/Conical Flask, Measuring Cylinder, Beaker & Container	Using E2 Accuracy Class Standard Weight & Weighing Balance (readability: 0.01/0.1 mg) & Distilled Water by Gravimetric Method as per ISO 4787 :2021	1 ml to 10 ml	0.72 µl

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139	MECHANICAL-VOLUME	Micropipette, Burette, Pipette, Volumetric/Conical Flask, Measuring Cylinder, Beaker & Container	Using E2 Accuracy Class Standard Weight & Weighing Balance (readability: 0.01/0.1 mg) & Distilled Water by Gravimetric Method as per ISO 4787 :2021	10 ml to 100 ml	2.5 µl
140	MECHANICAL-VOLUME	Micropipette, Burette, Pipette, Volumetric/Conical Flask, Measuring Cylinder, Beaker & Container	Using F1 Accuracy Class Standard Weight & Weighing Balance (readability: 0.01 g) & Distilled Water by Gravimetric Method as per ISO 4787 :2021	1000 ml to 2000 ml	75 µl
141	MECHANICAL-VOLUME	Micropipette, Burette, Pipette, Volumetric/Conical Flask, Measuring Cylinder, Beaker & Container	Using E2 Accuracy Class Standard Weight & Weighing Balance (readability: 0.01/0.1 mg) & Distilled Water by Gravimetric Method as per ISO 4787 :2021	100 ml to 200 ml	3 µl

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142	MECHANICAL-VOLUME	Micropipette, Burette, Pipette, Volumetric/Conical Flask, Measuring Cylinder, Beaker & Container	Using F1 Accuracy Class Standard Weight & Weighing Balance (readability: 0.001g) & Distilled Water by Gravimetric Method as per ISO 4787 :2021	200 ml to 1000 ml	25 µl
143	MECHANICAL-VOLUME	Micropipette/ Syringe (Industrial Purpose Only)	Using E2 Accuracy Class Standard Weight & Precision Weighing Balance (readability: 0.01/0.1 mg) & Distilled water by Gravimetric method as per ISO 8655 (Part 6):2022	100 µl to 1000 µl	4 µl
144	MECHANICAL-VOLUME	Micropipette/ Syringe (Industrial Purpose Only)	Using E2 Accuracy Class Standard Weight & Precision Weighing Balance (readability: 0.01/0.1 mg) & Distilled water by Gravimetric method as per ISO 8655 (Part 6):2022	20 µl to 100 µl	0.47 µl

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145	MECHANICAL-VOLUME	Volumetric Apparatus/ Measuring cylinder/ Measuring Jar/ Beaker/ Flask	Using F1 Accuracy Class Standard Weight & Weighing Balance (readability: 0.01g) & Distilled Water by Gravimetric Method as per ISO 4787 :2021	2 L to 5 L	5.3 ml
146	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class I And Coarser) Readability = 0.001 g & Coarser	Using E2/F1 Class Weights Based on OIML R-76-1 :2006	220 g to 1000 g	1.8 mg
147	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class I And Coarser) Readability = 0.01 mg & Coarser	Using E2 Class Weights Based on OIML R-76-1 :2006	0 to 50 g	0.07 mg
148	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class I And Coarser) Readability = 0.1 mg & Coarser	Using E2 Class Weights Based on OIML R-76-1 :2006	0 to 220 g	0.15 mg
149	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class I And Coarser) Readability = 0.1 mg & Coarser	Using E2 Class Weights Based on OIML R-76-1:2006	0 to 320 g	0.18 mg

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150	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class II And Coarser) Readability = 0.01 g & Coarser	Using E2/F1 Class Weights Based on OIML R-76-1 :2006	1 kg to 6 kg	12 mg
151	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class II And Coarser) Readability = 0.1 g & Coarser	Using E2/F1 Class Weights Based on OIML R-76-1 : 2006	6 kg to 20 kg	120 mg
152	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class III And Coarser) Readability = 1 g & Coarser	Using E2/F1 Class Weights Based on OIML R-76-1:2006	0 to 50 kg	0.8 g
153	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class III and Coarser) Readability = 10 g & Coarser	Using F1/M1 Class Weights Based on OIML R-76-1:2006	100 g to 150 kg	8.3 g
154	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class III And Coarser) Readability = 5 g & Coarser	Using F1/M1 Class Weights Based on OIML R-76-1 : 2006	0 to 60 kg	3.4 g
155	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class III And Coarser) Readability = 5 g & Coarser	Using E2/F1 Class Weights Based on OIML R-76-1 :2006	20 kg to 50 kg	3 g

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156	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class IV And Coarser) Readability = 10 g & Coarser	Using F1/M1 Class Weights Based on OIML R-76-1 :2006	50 kg to 100 kg	6 g
157	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class IV And Coarser) Readability = 20 g & Coarser	Using M1 Class Weights Based on OIML R-76-1 :2006	100 kg to 200 kg	12 g
158	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	1 g	0.018 mg
159	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	10 g	0.025 mg

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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)(±)
160	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.1 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	100 g	0.11 mg
161	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	100 mg	0.013 mg
162	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	2 g	0.018 mg

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163	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	20 g	0.028 mg
164	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.1 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	200 g	0.15 mg
165	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	200 mg	0.015 mg

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166	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	5 g	0.023 mg
167	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	50 g	0.034 mg
168	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	50 mg	0.012 mg

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169	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	500 mg	0.018 mg
170	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using F1 Class Standard Weight & Weighing Balance (readability: 0.001g) as per OIMLR-111(by Substitution Method of ABBA Weighing Cycle)	1 kg	2.2 mg
171	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	1 mg	0.01 mg

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172	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	10 mg	0.012 mg
173	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using F1 Class Standard Weight & Weighing Balance (readability: 0.01g) as per OIMLR-111(by Substitution Method of ABBA Weighing Cycle)	2 kg	10 mg
174	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	2 mg	0.01 mg

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175	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	20 mg	0.012 mg
176	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using F1 Class Standard Weight & Weighing Balance (readability: 0.01g) as per OIMLR-111(by Substitution Method of ABBA Weighing Cycle)	5 kg	13 mg
177	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E2 Class Standard Weight & Weighing Balance (readability: 0.01 mg) as per OIML R-111(by Substitution Method of ABBA Weighing Cycle)	5 mg	0.01 mg

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178	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using F1 Class Standard Weight & Weighing Balance (readability: 0.001g) as per OIMLR-111(by Substitution Method of ABBA Weighing Cycle)	500 g	2.2 mg
179	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F1 Class Standard Weight & Weighing Balance (readability: 0.1g) as per OIMLR- 111(by Substitution Method of ABBA Weighing Cycle)	10 kg	100 mg
180	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F1 Class Standard Weight & Weighing Balance (readability: 0.1g) as per OIMLR- 111(by Substitution Method of ABBA Weighing Cycle)	20 kg	140 mg
181	THERMAL-SPECIFIC HEAT & HUMIDITY	Digital / Analogue Hygrometer, Rh Sensor With Controller/ Indicator/Recorder/ Data Logger @50 % RH	Using RH & Temperature Indicator with Temp. & Humidity Chamber, By Comparison Calibration	10 °C to 50 °C	0.4 °C

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182	THERMAL-SPECIFIC HEAT & HUMIDITY	Digital / Analogue Hygrometer, Rh Sensor With Controller/ Indicator/ Recorder/ Data Logger @ 25 °C	Using RH & Temperature Indicator with Temperature & Humidity Chamber By Comparison Calibration	15 %RH to 95 %RH	0.95 %RH
183	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature indicator with sensor of Humidity Sensor with Indicator of Industrial Environment Chamber/ Humidity Chamber @ 25 °C (Single Position)	Using Humidity & Temperature Indicator by Comparison method	15 %RH to 95 %RH	0.93 %RH
184	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature indicator with sensor of Humidity Sensor with Indicator of Industrial Environment Chamber/ Humidity Chamber @ 50 %RH (Single Position)	Using Humidity & Temperature Indicator by Comparison method	10 °C to 50 °C	0.4 °C

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185	THERMAL-TEMPERATURE	IR Thermometer/ Radiation Pyrometer/ Thermal Imager (Non Medical Instrument) /IR Pyrometer @ emissivity 0.95	Using Digital Infrared Thermometer & Portable IR Calibrator by Comparison Method	50 °C to 500 °C	4.1 °C
186	THERMAL-TEMPERATURE	Temperature Indicator With Sensor Of Oven,Chambers,Incubator(non Medical Purpose), Liquid Bath (Single Position Calibration)	Using SPRT With Data Scanner by Comparison method	-80 °C to 50 °C	0.88 °C
187	THERMAL-TEMPERATURE	Temperature Indicator With Sensor Of Furnace, Muffle Furnace, Dry Block Furnace (Single Position)	Using S-Type Thermocouple With Data Scanner by Comparison Method	300 °C to 1200 °C	2.5 °C
188	THERMAL-TEMPERATURE	Temperature Indicator With Sensor Of Oven,Chambers,Incubator(non Medical Purpose), Liquid Bath,Dry Block Furnace (Single Position Calibration)	Using SPRT With Data Scanner by Comparison method	50 °C to 400 °C	0.88 °C

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189	THERMAL-TEMPERATURE	Temperature, Transmitter, RTD, Thermocouple With Or Without Indicator/Controller / Data Logger/ Recorder, Temperature Gauge , Digital Thermometer, Glass Thermometer	Using SPRT with Data Scanner (Super DAQ/DMM for without Indicator) &Low Temperature Bath By Comparison Method	-40 °C to 50 °C	0.34 °C
190	THERMAL-TEMPERATURE	Temperature, Transmitter, RTD, Thermocouple With Or Without Indicator/Controller / Data Logger/ Recorder, Digital Thermometer	Using SPRT with Data Scanner (Super DAQ/DMM for without Indicator) & Dry Block Furnace By Comparison Method	250 °C to 400 °C	1.04 °C
191	THERMAL-TEMPERATURE	Temperature, Transmitter, RTD, Thermocouple With Or Without Indicator/Controller / Data Logger/ Recorder, Temperature Gauge , Digital Thermometer	Using SPRT with Data Scanner (Super DAQ/DMM for without Indicator) & Liquid Nitrogen Bath By Comparison Method	-196 °C	0.32 °C

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192	THERMAL-TEMPERATURE	Temperature, Transmitter, RTD, Thermocouple With Or Without Indicator/Controller / Data Logger/ Recorder, Temperature Gauge , Digital Thermometer, Glass Thermometer	Using SPRT with Data Scanner, (Super DAQ/DMM for without Indicator) & Oil Bath By Comparison Method	50 °C to 250 °C	0.35 °C
193	THERMAL-TEMPERATURE	Temperature, Transmitter, Thermocouple With Or Without Indicator/Controller / Data Logger/ Recorder, Digital Thermometer	Using S-Type Thermocouple With Data Scanner (Super DAQ for without Indicator) & Dry Block Furnace By Comparison Method	400 °C to 1200 °C	2.4 °C

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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Active Energy (1 Phase, 3 Phase, 240 V, 20 A to 100 A, UPF to 0.5 (Lag/Lead), 50 Hz)	Using Energy Logger By Comparison Method	0.1 kWh to 24 kWh	2.17 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Active Power (50 Hz, 1 Phase, 3 Phase, 240 V, 20 A to 100 A, UPF)	Using Energy Logger By Comparison Method	4.8 kW to 72 kW	0.7 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Active Power (50 Hz, 1 Phase, 3 Phase, 240 V, 20 A to 100 A & 0.5 (Lag/ Lead))	Using Energy Logger By Comparison Method	2.4 kW to 36 kW	2 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Apparent Power (50 Hz, 1 Phase, 3 Phase, 240 V, 20 A to 100 A)	Using Energy Logger by Comparison Method	4.8 kVA to 72 kVA	0.7 %

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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (50 Hz to 1 kHz)	Using 6½ Digital Multimeter By Direct Method	200 mA to 10 A	0.35 % to 0.26 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (Frequency 50 Hz to 1 kHz)	Using 6½ Digital Multimeter By Direct Method	10 µA to 2 mA	1.15 % to 0.52 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (Frequency 50 Hz to 1 kHz)	Using 6½ Digital Multimeter By Direct Method	2 mA to 200 mA	0.52 % to 0.35 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Reactive Power (50 Hz, 1 Phase, 3 Phase, 240 V, 20 A to 100 A, UPF)	Using Energy Logger By Comparison Method	4.8 kVAr to 72 kVAr	0.7 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (Frequency 50 Hz to 1 kHz)	Using 6½ Digital Multimeter By Direct Method	1 mV to 100 mV	0.52 % to 0.12 %

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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (Frequency 50 Hz to 1 kHz)	Using 6½ Digital Multimeter By Direct Method	100 mV to 1000 V	0.12 % to 0.11 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	High Voltage (AC)	Using HV Probe with Digital Multimeter By Direct Method	1 kV to 27 kV	6.32 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Power Factor @ 50 Hz (240 V, 5A)	Using Energy Logger By Comparison Method	0.1 (Lag/Lead) to 1 (Lag/Lead)	2.89 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current (50 Hz to 1 kHz)	Using Multi- Product Calibrator by Direct Method	100 µA to 300 mA	1.6 % to 0.31 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current (50 Hz to 1 kHz)	Using Multi- Product Calibrator by Direct Method	300 mA to 20 A	0.31 % to 0.8 %

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15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Power (50 Hz, CosØ: 1, 40 V to 600 V, 100 mA to 20 A)	Using Multi Product Calibrator by Direct Method	4 W to 12 kW	2 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (50 Hz to 1 kHz)	Using Multi- Product Calibrator by Direct Method	30 V to 1000 V	0.12 % to 0.018 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (50 Hz to 1 kHz)	Using Multi- Product Calibrator by Direct Method	30 mV to 30 V	0.06 % to 0.12 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (50 Hz to 1 kHz)	Using Multi- Product Calibrator by Direct Method	10 mV to 30 mV	0.28 % to 0.06 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (240 V & 5A)	Using Multi- Product Calibrator by Direct Method	0.1 (Lag/Lead) to 1 (Lag/Lead)	1.9 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	20 µA to 200 mA	0.22 % to 0.071 %

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21	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	1 µA to 20 µA	3.01 % to 0.22 %
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter & MFC By Comparison Method	1 µA to 20 µA	3.10 % to 0.22 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter & MFC By Comparison Method	20 µA to 200 mA	0.22 % to 0.071 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter & MFC By Comparison Method	200 mA to 10 A	0.071 % to 0.21 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	200 mA to 10 A	0.071 % to 0.21 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter & MFC By Comparison Method	1 mV to 100 mV	0.8 % to 0.01 %

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27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter By Direct Method	1 mV to 100 mV	0.8 % to 0.01 %
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter & MFC By Comparison Method	10 V to 1000 V	0.009 % to 0.019 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter By Direct Method	10 V to 1000 V	0.009 % to 0.019 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter & MFC By Comparison Method	100 mV to 10 V	0.01 % to 0.009 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter By Direct Method	100 mV to 10 V	0.01 % to 0.009 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	High Voltage	Using HV Probe with Digital Multimeter By Direct Method	1 kV DC to 35 kV DC	3.20 %

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33	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter By Direct Method	100 k ohm to 10 M ohm	0.08 % to 0.17 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter By Direct Method	100 ohm to 100 k ohm	0.09 % to 0.08 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter By Direct Method	10 M ohm to 1000 M ohm	0.17 % to 2.34 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 6½ Digital Multimeter By Direct Method	1 ohm to 100 ohm	0.96 % to 0.09 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi- Product Calibrator by Direct Method	1 µA to 10 µA	11.6 % to 1.25 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi- Product Calibrator by Direct Method	10 µA to 30 µA	1.25 % to 0.48 %

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39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi- Product Calibrator by Direct Method	30 µA to 300 mA	0.48 % to 0.08 %
40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi- Product Calibrator by Direct Method	300 mA to 20 A	0.08 % to 0.67 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (Cos Ø:1, 40 V to 600 V, 100 mA to 20 A)	Using Multi Product Calibrator by Direct Method	4 W to 12 kW	0.2 % to 0.9 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi- Product Calibrator by Direct Method	1 mV to 10 mV	1.30 % to 0.14 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi- Product Calibrator by Direct Method	10 mV to 30 mV	0.14 % to 0.06 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi- Product Calibrator by Direct Method	30 mV to 30 V	0.06 % to 0.12 %

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45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi- Product Calibrator by Direct Method	30 V to 1000 V	0.12 % to 0.016 %
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi- Product Calibrator by Direct Method	1 ohm to 10 ohm	1.5 % to 0.18 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi- Product Calibrator by Direct Method	10 ohm to 40 ohm	0.18 % to 0.06 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi- Product Calibrator by Direct Method	40 ohm to 400 k ohm	0.06 % to 0.049 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi- Product Calibrator by Direct Method	400 k ohm to 190 M ohm	0.054 % to 1.16 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Standard Mega Ohm Box by Direct Method	2 M ohm	1.31 %

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51	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Standard Mega Ohm Box by Direct Method	20 M ohm	1.45 %
52	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Standard Mega Ohm Box by Direct Method	200 M ohm	2.63 %
53	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Standard Mega Ohm Box by Direct Method	2 G ohm	3.1 %
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Standard Mega Ohm Box by Direct Method	20 G ohm	6.3 %
55	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	0.001 ohm	0.24 %
56	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	0.01 ohm	0.24 %

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57	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	0.1 ohm	0.24 %
58	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	1 kohm	0.24 %
59	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	1.0 ohm	0.28 %
60	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	10 ohm	0.24 %
61	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Standard Resistance Box by Direct Method	100 ohm	0.24 %
62	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using Universal Calibrator by Direct Method	600 °C to 1800 °C	1.87 °C

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63	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using Universal Calibrator by Direct Method	(-) 200 °C to 1200 °C	1.12 °C
64	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using Universal Calibrator by Direct Method	(-) 200 °C to 1200 °C	1.1 °C
65	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using Universal Calibrator by Direct Method	0 to 1700 °C	1.84 °C
66	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD PT 100 Type	Using Universal Calibrator by Direct Method	(-) 200 °C to 800 °C	0.72 °C
67	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using Universal Calibrator by Direct Method	0 °C to 1700 °C	1.91 °C
68	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using Universal Calibrator by Direct Method	(-)200 °C to 400 °C	0.9 °C

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69	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digital Multimeter By Direct Method	10 Hz to 1 MHz	0.12 % to 0.01 %
70	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Time Totalizer By Comparison Method	10 s to 24 hrs	0.417 s to 111.4 s
71	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi- Product Calibrator by Direct Method	45 Hz to 1000 Hz	0.02 % to 0.01 %
72	MECHANICAL-ACCELERATION AND SPEED	Contact type rpm (Digital/Analogue Tachometer / RPM Meter / Tachometer Meter Calibrator)	Using standard digital tachometer & RPM source by comparison method By Using standard SANAS TR 45-03: 2023	10 rpm to 100 rpm	1.4 rpm
73	MECHANICAL-ACCELERATION AND SPEED	Contact type rpm (Digital/Analogue Tachometer / RPM Meter / Tachometer Meter Calibrator)	Using standard digital tachometer & RPM source by comparison method By Using standard SANAS TR 45-03: 2023	100 rpm to 3000 rpm	4.8 rpm

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74	MECHANICAL-ACCELERATION AND SPEED	Contact type rpm (Digital/Analogue Tachometer / RPM Meter / Tachometer Meter Calibrator)	Using standard digital tachometer & RPM source by comparison method By Using standard SANAS TR 45-03: 2023	3000 rpm to 6000 rpm	10.2 rpm
75	MECHANICAL-ACCELERATION AND SPEED	NON-Contact type rpm(Digital/Analogue Tachometer & RPM Meter, RPM Meter Of Centrifuge)	Using standard digital tachometer & RPM source by comparison method/By Using SANAS TR45-02	10 rpm to 100 rpm	1.9 rpm
76	MECHANICAL-ACCELERATION AND SPEED	NON-Contact type rpm(Digital/Analogue Tachometer & RPM Meter, RPM Meter Of Centrifuge)	Using standard digital tachometer & RPM source by comparison method/By Using SANAS TR45-02	100 rpm to 10000 rpm	10.1 rpm
77	MECHANICAL-ACCELERATION AND SPEED	NON-Contact type rpm(Digital/Analogue Tachometer & RPM Meter, RPM Meter Of Centrifuge)	Using standard digital tachometer & RPM source by comparison method/By Using SANAS TR45-02	10000 rpm to 50000 rpm	41 rpm
78	MECHANICAL-PRESSURE INDICATING DEVICES	(Digital & Analog) Differential Pressure Gauge / Magnehelic Gauge / Manometer (Pneumatic Pressure)	Using Digital Manometer By Comparison method based on DKD-R-6-1	0 to 2.5 mbar	0.062 mbar

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79	MECHANICAL-PRESSURE INDICATING DEVICES	(Digital & Analog) Differential Pressure Gauge / Magnehelic Gauge / Manometer (Pneumatic Pressure)	Using Digital Manometer By Comparison method based on DKD-R-6-1	0 mbar to 100 mbar	0.68 mbar
80	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure: Pressure Gauge (Dial, Digital), Pressure Transmitter/Switch/Valve/Transducer With Or Without Indicator	Using Digital Pressure Gauge with Pressure Pump, Digital Multimeter By Comparison method based on DKD-R-6-1.	0 to 30 bar	0.066 bar
81	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge (Dial, Digital), Pressure Transmitter/Switch/Valve/Transducer With Or Without Indicator (Hydraulic Pressure)	Using Digital Pressure Gauge with Pressure Pump, Digital Multimeter By Comparison method based on DKD-R-6-1	0 to 700 bar	0.44 bar
82	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge(Dial, Digital), Pressure Transmitter/Switch/Valve/Transducer With Or Without Indicator (Pneumatic Pressure)	Using Digital Pressure Gauge with Pressure Pump, Digital Multimeter By Comparison method based on DKD-R-6-1	0 to 4 bar	0.007 bar

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83	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauge, Dial, Digital, Vacuum Transmitter/Switch/ Transducer With Or Without Indicator	Using Digital Pressure Gauge with Vacuum Pump, Digital Multimeter By Comparison method based on DKD-R-6-1.	(-)0.92 bar to 0	0.0065 bar
84	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class I And Coarser) Readability = 0.001 g & Coarser	Using E2/F1 Class Weights Based on OIML R-76-1 :2006	220 g to 1000 g	1.8 mg
85	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class I And Coarser) Readability = 0.01 mg & Coarser	Using E2 Class Weights Based on OIML R-76-1 :2006	0 to 50 g	0.07 mg
86	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class I And Coarser) Readability = 0.1 mg & Coarser	Using E2 Class Weights Based on OIML R-76-1 :2006	0 to 220 g	0.15 mg
87	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class I And Coarser) Readability = 0.1 mg & Coarser	Using E2 Class Weights Based on OIML R-76-1:2006	0 to 320 g	0.18 mg

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88	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class II And Coarser) Readability = 0.01 g & Coarser	Using E2/F1 Class Weights Based on OIML R-76-1 :2006	1 kg to 6 kg	12 mg
89	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class II And Coarser) Readability = 0.1 g & Coarser	Using E2/F1 Class Weights Based on OIML R-76-1 : 2006	6 kg to 20 kg	120 mg
90	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class III And Coarser) Readability = 1 g & Coarser	Using E2/F1 Class Weights Based on OIML R-76-1:2006	0 to 50 kg	0.8 g
91	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class III and Coarser) Readability = 10 g & Coarser	Using F1/M1 Class Weights Based on OIML R-76-1:2006	100 g to 150 kg	8.3 g
92	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class III And Coarser) Readability = 5 g & Coarser	Using F1/M1 Class Weights Based on OIML R-76-1 : 2006	0 to 60 kg	3.4 g
93	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class III And Coarser) Readability = 5 g & Coarser	Using E2/F1 Class Weights Based on OIML R-76-1 :2006	20 kg to 50 kg	3 g

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94	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class IV And Coarser) Readability = 10 g & Coarser	Using F1/M1 Class Weights Based on OIML R-76-1 :2006	50 kg to 100 kg	6 g
95	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale/Balance (Class IV And Coarser) Readability = 20 g & Coarser	Using M1 Class Weights Based on OIML R-76-1 :2006	100 kg to 200 kg	12 g
96	THERMAL-SPECIFIC HEAT & HUMIDITY	Environment Chamber, Humidity Chamber @ 25 °C	Using wireless Humidity Data logger (minimum 9 Nos) (Inbuilt Sensor) by Multi Position Calibration Method	30 %RH to 85 %RH	3.9 %RH
97	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature indicator with sensor of Humidity Sensor with Indicator of Industrial Environment Chamber/ Humidity Chamber @ 25 °C (Single Position)	Using Humidity & Temperature Indicator by Comparison method	15 %RH to 95 %RH	0.93 %RH

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98	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature indicator with sensor of Humidity Sensor with Indicator of Industrial Environment Chamber/ Humidity Chamber @ 50 %RH (Single Position)	Using Humidity & Temperature Indicator by Comparison method	10 °C to 50 °C	0.4 °C
99	THERMAL-TEMPERATURE	Environment Chamber, Incubator (non Medical Purpose) Ovens (Multi Position)	Using Data Logger with RTD Sensor (Minimum 9 Nos) by Multi Position Calibration Method	50 °C to 250 °C	2.4 °C
100	THERMAL-TEMPERATURE	Freezer, Environment Chamber (Multi Position)	Using Data Logger with RTD Sensor (Minimum 9 Nos) by Multi Position Calibration Method	-30 °C to 50 °C	2.5 °C
101	THERMAL-TEMPERATURE	Industrial Furnace/Muffle Furnace (Multi Position)	Using Data Logger N-Type Thermocouple by Multi Position Calibration Method	250 °C to 1200 °C	6.1 °C
102	THERMAL-TEMPERATURE	IR Thermometer/ Radiation Pyrometer/ Thermal Imager (Non Medical Instrument) /IR Pyrometer @ emissivity 0.95	Using Digital Infrared Thermometer & Portable IR Calibrator by Comparison Method	50 °C to 500 °C	4.1 °C

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103	THERMAL-TEMPERATURE	Temperature Indicator With Sensor Of Oven,Chambers,Incubator(non Medical Purpose), Liquid Bath (Single Position Calibration)	Using SPRT With Data Scanner by Comparison method	-80 °C to 50 °C	0.88 °C
104	THERMAL-TEMPERATURE	Temperature Indicator With Sensor Of Furnace, Muffle Furnace, Dry Block Furnace (Single Position)	Using S-Type Thermocouple With Data Scanner by Comparison Method	300 °C to 1200 °C	2.5 °C
105	THERMAL-TEMPERATURE	Temperature Indicator With Sensor Of Oven,Chambers,Incubator(non Medical Purpose), Liquid Bath,Dry Block Furnace (Single Position Calibration)	Using SPRT With Data Scanner by Comparison method	50 °C to 400 °C	0.88 °C

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106	THERMAL-TEMPERATURE	Temperature, Transmitter, RTD, Thermocouple With Or Without Indicator/Controller / Data Logger/ Recorder, Temperature Gauge , Digital Thermometer, Glass Thermometer	Using SPRT with Data Scanner (Super DAQ/DMM for without Indicator) &Low Temperature Bath By Comparison Method	-40 °C to 50 °C	0.34 °C
107	THERMAL-TEMPERATURE	Temperature, Transmitter, RTD, Thermocouple With Or Without Indicator/Controller / Data Logger/ Recorder, Digital Thermometer	Using SPRT with Data Scanner (Super DAQ/DMM for without Indicator) & Dry Block Furnace By Comparison Method	250 °C to 400 °C	1.04 °C
108	THERMAL-TEMPERATURE	Temperature, Transmitter, RTD, Thermocouple With Or Without Indicator/Controller / Data Logger/ Recorder, Temperature Gauge , Digital Thermometer	Using SPRT with Data Scanner (Super DAQ/DMM for without Indicator) & Liquid Nitrogen Bath By Comparison Method	-196 °C	0.32 °C

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109	THERMAL-TEMPERATURE	Temperature, Transmitter, RTD, Thermocouple With Or Without Indicator/Controller / Data Logger/ Recorder, Temperature Gauge , Digital Thermometer, Glass Thermometer	Using SPRT with Data Scanner, (Super DAQ/DMM for without Indicator) & Oil Bath By Comparison Method	50 °C to 250 °C	0.35 °C
110	THERMAL-TEMPERATURE	Temperature, Transmitter, Thermocouple With Or Without Indicator/Controller / Data Logger/ Recorder, Digital Thermometer	Using S-Type Thermocouple With Data Scanner (Super DAQ for without Indicator) & Dry Block Furnace By Comparison Method	400 °C to 1200 °C	2.4 °C

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