National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : WORLDONE INSTRUMENTS PRIVATE LIMITED, NO. 47, GANAPATHI NAGAR, PEENYA INDUSTRIAL AREA, 3RD PHASE, PEENYA SMALL INDUSTRIES, BENGALURU, KARNATAKA, 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	10 µA to 100 µA	0.9 % to 0.25 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ (50 Hz to 1 kHz)	Using 6½ Digital Multimeter by Direct Method	10 mA to 100 mA	0.25 % to 0.17 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ (50 Hz to 1 kHz)	Using 6½ Digital Multimeter by Direct Method	100 µA to 10 mA	0.25 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ (50 Hz to 1 kHz)	Using 6½ Digital Multimeter by Direct Method	100 mA to 2 A	0.17 % to 0.3 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ (50 Hz to 1 kHz)	Using 6½ Digital Multimeter by Direct Method	2 A to 10 A	0.3 % to 0.25 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Current Shunt with 6½ DMM by VI Method	10 A to 100 A	0.7 %

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7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Current Shunt with 6½ Digit DMM by VI Method	10 A to 30 A	0.43 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Current Shunt with 6½ DMM by VI Method	100 A to 1000 A	1.5 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using H.V Probe with DMM by Direct Method	1 kV to 28 kV	7.5 %
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High Voltage Measurement System with 6½ DMM by Direct Method	10 kV to 100 kV	5.4 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ (45 Hz to 20 kHz)	Using 6½ Digit Multimeter by Direct Method	1 mV to 100 mV	4.73 % to 0.12 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ (45 Hz to 20 kHz)	Using 6½ Digital Multimeter by Direct Method	10 V to 1000 V	0.11 % to 0.1 %

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13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ (45 Hz to 20 kHz)	Using 6½ Digit Multimeter by Direct Method	100 mV to 10 V	0.12 % to 0.11 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter by Direct Method	100 pF to 100 µF	0.094 % to 0.14 %
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 100 Hz	Using LCR Meter by Direct Method	100 µF to 10 mF	0.16 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using LCR Meter by Direct Method	100 µH to 10 H	0.17 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Resistance (4 Wire) @ 1 kHz	Using LCR Meter by Comparison Method	1 ohm to 1 Mohm	0.15 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (1 kHz to 10 kHz)	Using Multi Product Calibrator by Direct Method	1.1 A to 3 A	2.3 % to 2.1 %

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19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (1 kHz to 10 kHz)	Using Multi Product Calibrator by Direct Method	19 mA to 330 mA	0.17 % to 0.18 %
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (1 kHz to 10 kHz)	Using Multi Product Calibrator by Direct Method	330 mA to 1.1 A	0.18 % to 2.3 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (1 kHz to 5 kHz)	Using Multi Product Calibrator by Direct Method	11 A to 20 A	2.34 % to 2.35 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (1 kHz to 5 kHz)	Using Multi Product Calibrator by Direct Method	3 A to 11 A	0.5 % to 2.34 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (10 Hz to 45 Hz)	Using Multi Product Calibrator by Direct Method	30 µA to 330 µA	0.42 % to 0.18 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (10 Hz to 45 Hz)	Using Multi Product Calibrator by Direct Method	33 mA to 3 A	0.15 %
25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (10 Hz to 45 Hz)	Using Multi Product Calibrator by Direct Method	330 µA to 33 mA	0.18 % to 0.15 %

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26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (45 Hz to 1 kHz)	Using Multi Product Calibrator by Direct Method	1.1 A to 11 A	0.05 % to 0.17 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (45 Hz to 1 kHz)	Using Multi Product Calibrator by Direct Method	11 A to 20 A	0.17 % to 0.14 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (45 Hz to 1 kHz)	Using Multi Product Calibrator by Direct Method	30 µA to 330 µA	0.36 % to 0.12 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (45 Hz to 1 kHz)	Using Multi Product Calibrator by Direct Method	33 mA to 330 mA	0.04 % to 0.07 %
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (45 Hz to 1 kHz)	Using Multi Product Calibrator by Direct Method	330 µA to 33 mA	0.12 % to 0.04 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (45 Hz to 1 kHz)	Using Multi Product Calibrator by Direct Method	330 mA to 1.1 A	0.07 % to 0.05 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Current Source and Current Shunt with 6½ DMM Digit by VI Method	10 A to 100 A	0.9 %

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33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multiproduct Calibrator with 50 Turn Current Coil by Direct Method	20 A to 1000 A	0.7 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (10 Hz to 45 Hz)	Using Multi Product Calibrator by Direct Method	1 mV to 30 mV	0.54 % to 0.09 %
35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (10 Hz to 45 Hz)	Using Multi Product Calibrator by Direct Method	30 mV to 300 mV	0.09 % to 0.04 %
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (10 Hz to 45 Hz)	Using Multi Product Calibrator by Direct Method	300 mV to 30 V	0.04 % to 0.035 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (10 kHz to 100 kHz)	Using Multi Product Calibrator by Direct Method	3 V to 30 V	0.06 % to 0.08 %
38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (10 kHz to 100 kHz)	Using Multi Product Calibrator by Direct Method	30 mV to 3 V	0.31 % to 0.06 %
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (10 kHz to 100 kHz)	Using Multi Product Calibrator by Direct Method	30 V to 100 V	0.08 % to 0.2 %

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40	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (100 kHz to 500 kHz)	Using Multi Product Calibrator by Direct Method	30 mV to 300 mV	0.76 % to 0.18 %
41	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (100 kHz to 500 kHz)	Using Multi Product Calibrator by Direct Method	300 mV to 3 V	0.18 % to 0.21 %
42	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (45 Hz to 10 kHz)	Using Multi Product Calibrator by Direct Method	1 mV to 300 mV	0.54 % to 0.015 %
43	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (45 Hz to 10 kHz)	Using Multi Product Calibrator by Direct Method	3 V to 30 V	0.026 % to 0.014 %
44	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (45 Hz to 10 kHz)	Using Multi Product Calibrator by Direct Method	30 V to 300 V	0.014 % to 0.022 %
45	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (45 Hz to 10 kHz)	Using Multi Product Calibrator by Direct Method	300 mV to 3 V	0.015 % to 0.026 %
46	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (45 Hz to 10 kHz)	Using Multi Product Calibrator by Direct Method	300 V to 1000 V	0.022 % to 0.03 %

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47	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multi Product Calibrator by Direct Method	1 nF to 110 nF	1.17 % to 0.22 %
48	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	100 µF to 10 mF	1.4 %
49	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multi Product Calibrator by Direct Method	110 nF to 300 nF	0.22 % to 0.3 %
50	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multi Product Calibrator by Direct Method	220 pF to 1 nF	3.93 % to 1.17 %
51	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multi Product Calibrator by Direct Method	0.7 µF to 11 µF	0.34 % to 0.64 %
52	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multi Product Calibrator by Direct Method	11 µF to 110 µF	0.64 % to 0.7 %
53	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box by Direct Method	110 µH to 10 H	1.23 %

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54	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase AC Active Power @ 50Hz (UPF, 120 V to 240 V, 0.01 A to 20 A)	Using Multi Product Calibrator by Direct Method	1.2 W to 4.8 kW	0.1 % to 0.17 %
55	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Active AC Power @ 50Hz (0.2 Lag, 120 V to 240 V, 0.1 A to 20 A)	Using Multi Product Calibrator by Direct method	2.4 W to 960 W	0.56 % to 0.6 %
56	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Active AC Power @ 50Hz (0.5 Lag, 120 V to 240 V, 0.1 A to 20 A)	Using Multi Product Calibrator by Direct method	6 W to 2.4 kW	0.36 % to 0.4 %
57	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Active AC Power @ 50Hz (0.8 Lead, 120 V to 240 V, 0.1 A to 20 A)	Using Multi Product Calibrator By Direct method	9.6 W to 3.8 kW	0.14 % to 0.21 %
58	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.2 (Lead / Lag)	0.0013 PF
59	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.5 (Lead / Lag)	0.002 PF
60	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.8 (Lead / Lag)	0.0015 PF

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61	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	UPF	0.0014 PF
62	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	1 µA to 100 µA	2.95 % to 0.09 %
63	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	1 A to 10 A	0.08 % to 0.18 %
64	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	1 mA to 100 mA	0.06 %
65	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Current Shunt with 6½ DMM by VI Method	10 A to 100 A	0.64 %
66	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Current Shunt with 6½ DMM by VI Method	10 A to 30 A	0.36 %
67	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	100 µA to 1 mA	0.09 % to 0.06 %

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68	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Current 1000 A Shunt (75 mV ratio) with 6½ DMM by VI Method	100 A	1 %
69	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	100 mA to 1 A	0.06 % to 0.08 %
70	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using H.V Probe with 6½ DMM by Direct Method	1 kV to 40 kV	4.2 %
71	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using High Voltage Measurement System with 6½ DMM by Direct Method	10 kV to 70 kV	4.7 %
72	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance (4 Wire)	Using 6½ Digital Multimeter by Direct Method	10 ohm to 100 ohm	0.05 % to 0.016 %
73	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance (4 Wire)	Using Multi Product Calibrator & 6½ DMM by VI Method	100 µohm to 100 mohm	0.14 % to 0.02 %
74	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	1 mV to 100 mV	0.41 % to 0.008 %

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75	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	1 V to 100 V	0.004 % to 0.005 %
76	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	100 mV to 1 V	0.008 % to 0.004 %
77	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	100 V to 1000 V	0.005 % to 0.006 %
78	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	1 kohm to 1 Mohm	0.013 %
79	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	1 Mohm to 10 Mohm	0.013 % to 0.05
80	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	10 Mohm to 100 Mohm	0.05 % to 0.94 %
81	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	100 Mohm to 1 Gohm	0.94 % to 2.32 %

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82	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digital Multimeter by Direct Method	0.1 ohm to 1 ohm	3.01 % to 0.4 %
83	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digital Multimeter by Direct Method	1 ohm to 10 ohm	0.4 % to 0.05 %
84	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using Multi Product Calibrator & 6½ DMM by VI Method	100 mohm to 100 ohm	0.02 % to 0.08 %
85	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digital Multimeter by Direct Method	100 ohm to 1 kohm	0.016 % to 0.013 %
86	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	1 A to 10 A	0.02 % to 0.04 %
87	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	10 µA to 330 µA	0.17 % to 0.016 %
88	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Current Source and Current Shunt by VI Method	10 A to 100 A	0.7 %

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89	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	10 A to 20 A	0.04 % to 0.08 %
90	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator with 50 Turn Current Coil by Direct Method	20 A to 1000 A	0.7 %
91	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	33 mA to 1 A	0.008 % to 0.02 %
92	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	330 µA to 33 mA	0.016 % to 0.008 %
93	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1 V to 10 V, 10 mA to 1 A)	Using Multi Product Calibrator by Direct Method	10 mW to 10 W	0.64 %
94	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1 V to 100 V, 1 A to 10 A)	Using Multi Product Calibrator by Direct Method	10 W to 1 kW	0.02 % to 0.06 %
95	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (100 V to 1000 V, 10 A to 20 A)	Using Multi Product Calibrator by Direct Method	1 kW to 20 kW	0.06 %

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96	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	10 Gohm to 1000 Gohm	9.8 %
97	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	1 mV to 330 mV	0.08 % to 0.002 %
98	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	1 V to 10 V	0.001 %
99	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	10 V to 330 V	0.001 % to 0.002 %
100	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	330 mV to 1 V	0.002 % to 0.001 %
101	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	330 V to 1000 V	0.002 %
102	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multi Product Calibrator by Direct Method	1.1 Mohm to 11 Mohm	0.007 % to 0.037 %

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103	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multi Product Calibrator by Direct Method	11 Mohm to 110 Mohm	0.037 % to 0.3 %
104	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multi Product Calibrator by Direct Method	110 kohm to 1.1 Mohm	0.003 % to 0.007 %
105	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multi Product Calibrator by Direct Method	110 Mohm to 300 Mohm	0.3 % to 0.26 %
106	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multi Product Calibrator by Direct Method	300 Mohm to 1 Gohm	0.26 % to 1.21 %
107	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 5 kV	Using Decade Resistance Box by Direct Method	100 kohm to 1000 Mohm	1.2 %
108	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	5 Mohm to 10 Gohm	4.58 %
109	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	1 kohm	0.06 %

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110	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	1 mohm	0.1 %
111	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	1 ohm	0.08 %
112	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multi Product Calibrator by Direct Method	1 ohm to 11 ohm	0.08 % to 0.013 %
113	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multi Product Calibrator by Direct Method	1.1 kohm to 109.99 kohm	0.004 % to 0.003 %
114	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	1.5 mohm	0.09 %
115	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	10 kohm	0.06 %
116	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	10 mohm	0.1 %

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117	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	10 ohm	0.06 %
118	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	100 kohm	0.06 %
119	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	100 mohm	0.1 %
120	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	100 ohm	0.06 %
121	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multi Product Calibrator by Direct Method	11 ohm to 1.1 kohm	0.013 % to 0.004 %
122	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	5 mohm	0.15 %
123	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	5 ohm	0.04 %

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124	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	50 kohm	0.06 %
125	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	50 mohm	0.14 %
126	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	50 ohm	0.06 %
127	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	500 µohm	0.16 %
128	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	500 mohm	0.14 %
129	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	500 ohm	0.06 %
130	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude DC Signal	Using Multi Product Calibrator with Scope Option by Direct Method	1 mV to 110 mV	3.15 % to 0.6 %

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131	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude DC Signal	Using Multi Product Calibrator with Scope Option by Direct Method	110 mV to 2.2 V	0.6 % to 0.29 %
132	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude DC Signal	Using Multi Product Calibrator with Scope Option by Direct Method	2.2 V to 90 V	0.29 %
133	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Scope Amplitude (AC Signal) @ 1 kHz	Using Multi Product Calibrator with Scope Option by Direct Method	1 mV to 110 mV	3.4 % to 0.22 %
134	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Scope Amplitude (AC Signal) @ 1 kHz	Using Multi Product Calibrator with Scope Option by Direct Method	2.2 V to 90 V	0.22 % to 0.12 %
135	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Scope Amplitude @ 1 kHz (AC signal)	Using Multi Product Calibrator with Scope Option by Direct method	110 mV to 2.2 V	0.22 %
136	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Scope Bandwidth	Using Multi Product Calibrator with Scope Option by Direct Method	50 kHz to 1 GHz	3.5 % to 6.56 %
137	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Scope Time Base (Time Marker)	Using Multi Product Calibrator with Scope Option by Direct Method	1 ns to 50 ms	0.07 % to 0.02 %

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138	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Scope Time Base (Time Marker)	Using Multi Product Calibrator with Scope Option by Direct Method	50 ms to 5 s	0.02 % to 0.6 %
139	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B Type Thermocouple	Using Multi Product Calibrator by Direct Method	600 °C to 1800 °C	0.35 °C
140	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	C Type Thermocouple	Using Multi Product Calibrator by Direct Method	100 °C to 2300 °C	0.66 °C
141	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 250 °C to 1000 °C	0.4 °C
142	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 210 °C to 1200 °C	0.22 °C
143	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1370 °C	0.32 °C
144	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	L Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 900 °C	0.29 °C

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145	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.32 °C
146	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R Type Thermocouple	Using Multi Product Calibrator by Direct Method	100 °C to 1760 °C	0.45 °C
147	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD PT 100	Using 6½ Digital Multimeter by Direct Method	(-) 200 °C to 800 °C	0.18 °C
148	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD PT 1000	Using 6½ Digital Multimeter by Direct Method	(-) 200 °C to 800 °C	0.18 °C
149	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S Type Thermocouple	Using Multi Product Calibrator by Direct Method	100 °C to 1760 °C	0.16 °C
150	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 250 °C to 400 °C	0.5 °C
151	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	U Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 600 °C	0.44 °C

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152	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using Multi Product Calibrator by Direct Method	600 °C to 1800 °C	0.36 °C
153	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	C Type Thermocouple	Using Multi Product Calibrator by Direct Method	100 °C to 2300 °C	0.66 °C
154	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 250 °C to 1000 °C	0.4 °C
155	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 210 °C to 1200 °C	0.22 °C
156	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1350 °C	0.32 °C
157	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	L Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 900 °C	0.32 °C
158	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.32 °C

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159	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using Multi Product Calibrator by Direct Method	100 °C to 1750 °C	0.45 °C
160	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD PT 100	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 800 °C	0.18 °C
161	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD PT 1000	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 630 °C	0.18 °C
162	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using Multi Product Calibrator by Direct Method	100 °C to 1750 °C	0.16 °C
163	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 250 °C to 400 °C	0.5 °C
164	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	U Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 600 °C	0.46 °C
165	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct method	1 GHz to 3 GHz	0.00015 % to 0.00013 %

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166	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct method	1 Hz to 1 GHz	0.00016 % to 0.00015 %
167	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Totalizer Comparison Method	1 s to 3600 s	0.06 s to 2.1 s
168	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Totalizer Comparison Method	18000 s to 86400 s	10.43 s to 49.9 s
169	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Totalizer Comparison Method	3600 s to 18000 s	2.1 s to 10.43 s
170	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	1 Hz to 2 MHz	0.0006 % to 0.0002 %
171	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	2 MHz to 1 GHz	0.0002 %
172	FLUID FLOW-FLOW MEASURING DEVICES	Hot Wire Anemometer, Vane Type Anemometer, Transmitter Pitot Tube, Wind Speed Sensor with Indicator	Using Wind Tunnel Control Unit and Hot Wire Anemometer by Comparison Method	0.6 m/s to 5 m/s	0.12 m/s

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173	FLUID FLOW-FLOW MEASURING DEVICES	Hot wire Anemometer, Vane Type Anemometer, Transmitter Pitot Tube, Wind Speed Sensors with Indicator	Using Wind tunnel control unit, Pitot Tube -L Type with Manometer by Comparison method	3 m/s to 19.5 m/s	0.44 m/s
174	FLUID FLOW-FLOW MEASURING DEVICES	Hot Wire Anemometer, Vane Type Anemometer, Transmitter, Wind Speed Sensor with Indicator	Using Wind Tunnel Control Unit and Hot Wire Anemometer by Comparison Method	0.23 m/s to 0.5 m/s	0.026 m/s
175	FLUID FLOW-FLOW MEASURING DEVICES	Liquid Flow Rate (Water)	Using Weighing Balance of Range 3 kg with Readability 1mg Digital Time Totalizer by Gravimetric Method	13 ml/hr to 2000 ml/hr	1.98 %
176	FLUID FLOW-FLOW MEASURING DEVICES	Liquid Mass (Oil)	Using Weighing Balance System of Range 500 kg and Readability: 10 g by Gravimetric Method	500 g to 300 kg	1.82 %
177	FLUID FLOW-FLOW MEASURING DEVICES	Liquid Mass (Water)	Using Weighing System of Range 25 kg and Readability: 10 mg by Gravimetric Method	50 g to 10000 g	1.2 %
178	FLUID FLOW-FLOW MEASURING DEVICES	Liquid Mass Flow rate (Oil)	Using Weighing Balance System of Range 500 kg and Readability 10g by Gravimetric Method	32 kg/hr to 12900 kg/hr	1.98 %

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179	FLUID FLOW-FLOW MEASURING DEVICES	Liquid Mass Flow Rate (Water)	Weighing System of Range 25 kg and Readability: 10 mg by Gravimetric Method as per ISO 4185 : 1980	1 kg/hr to 300 kg/hr	2.8 %
180	FLUID FLOW-FLOW MEASURING DEVICES	Liquid Mass Flow Rate (Water)	Using Weighing Balance System of Range 500 kg and Readability: 10 g by Gravimetric Method	30 kg/hr to 11500 kg/hr	1.53 %
181	FLUID FLOW-FLOW MEASURING DEVICES	Liquid Volume Flow Rate (Oil)	Using Weighing Balance System of Range 500 kg and Readability: 10 g by Gravimetric Method	0.6 lpm to 215 lpm	1.89 %
182	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air / Gas) Rotameter, Dry Gas Meter, PM2.5 Sampler, Stack sampler, Vortex Flow Meter, Thermal Mass Flow Meter, Analog / Digital Flow Meter	Using Flow Control Unit and Gas Flow Meter by Comparison Method as per ASTM D 3195, ASME MFC - 21.2 / ASTM D 5337 - 04	0.15 lpm to 300 lpm	1.27 %
183	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air / Gas) - Rotameter, Vortex Flow Meter, Thermal Mass Flow Meter, Analog / Digital Flow Meter	Using Flow Control Unit and Mass Flow Meter by Comparison Method	1 ml/min to 1000 ml/min	1.49 %
184	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air) - of Respirable Dust Sampler and PM10 Sampler	Using Flow Control Unit and Top Loading Orifice Calibrator by Comparison Method	0.3 m^3/min to 1.7 m^3/min	1.66 %

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185	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air) - Top Loading Calibrator	Using Flow Control Unit and Top Loading Orifice Calibrator by Comparison Method	600 lpm to 1400 lpm	1.72 %
186	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Water) - Magnetic Flow Meter, Vortex Flow Meter, Electronic Flow Meter, Clamp on Ultrasonic Flow Meter, Rotameter, Analog / Digital Flow Meter	Using Weighing System of Range 25 kg and Readability: 10 mg by Gravimetric Method	17 ml/min to 5000 ml/min	0.35 %
187	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Water) - Magnetic Flow Meter, Vortex Flow Meter, Electronic Flow Meter, Clamp on Ultrasonic Flow Meter, Rotameter, Analog / Digital Flow Meter	Using Flow Control Unit and Electro Magnetic Flow Meter by Comparison Method	200 lpm to 2250 lpm	0.92 %
188	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Water) - Magnetic Flow Meter, Vortex Flow Meter, Electronic Flow Meter, Clamp on Ultrasonic Flow Meter, Rotameter, Analog / Digital Flow Meter	Using Flow Control Unit and Electro Magnetic Flow Meter by Comparison Method	5.2 lpm to 195 lpm	1.49 %

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189	MECHANICAL-ACCELERATION AND SPEED	Accelerometer / Vibration Meter / Vibration Sensor / Velocity Sensor / Portable Calibrator @ 10 Hz to 1000 Hz	Using Dynamic Signal Analyzer & Accelerometer PCB by Comparison Method as per ISO 16063 - 21	1 mm/s to 240 mm/s	3.6 %
190	MECHANICAL-ACCELERATION AND SPEED	Accelerometer / Vibration Meter / Vibration Sensor / Portable Vibration Calibrator - Displacement Peak @ 5 Hz to 700 Hz	Using Dynamic Signal Analyzer & Accelerometer PCB by Comparison Method as per ISO 16063 - 21	0.01 mm to 10 mm	5.8 %
191	MECHANICAL-ACCELERATION AND SPEED	Accelerometer / Vibration Meter / Vibration Sensor / Portable Vibration Calibrator / DAQ Module with Sensor Acceleration Peak @ 10 kHz to 15 kHz	Using Dynamic Signal Analyzer & Accelerometer PCB by Comparison Method as per ISO 16063 - 21	0.1 g to 40 g	2.8 %
192	MECHANICAL-ACCELERATION AND SPEED	Accelerometer / Vibration Meter / Vibration Sensor / Portable Vibration Calibrator / DAQ Module with Sensor Acceleration Peak @ 3 Hz to 2000 Hz	Using Dynamic Signal Analyzer & Accelerometer PCB by Comparison Method as per ISO 16063 - 21	0.1 g to 40 g	1.5 %
193	MECHANICAL-ACCELERATION AND SPEED	Accelerometer / Vibration Meter / Vibration Sensor / Portable Vibration Calibrator / DAQ Module with Sensor Acceleration Peak @ 5 Hz to 10 kHz	Using Dynamic Signal Analyzer & Accelerometer PCB by Comparison Method as per ISO 16063 - 21	0.1 g to 40 g	1.5 %

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194	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM of Rotating Devices	Using Digital Tachometer by Comparison Method	10 rpm to 100 rpm	5.4 %
195	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM of Rotating Devices	Using Digital Tachometer by Comparison Method	100 rpm to 15000 rpm	0.8 %
196	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact)	Using Digital Tachometer with Motorized Tachometer Calibrator by Comparison Method	10 rpm to 100 rpm	5.7 %
197	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact)	Using Digital Tachometer with Motorized Tachometer Calibrator by Comparison Method	100 rpm to 7800 rpm	1 %
198	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non Contact)	Using Digital Tachometer with Motorized Tachometer Calibrator by Comparison Method	10 rpm to 100 rpm	5.42 %
199	MECHANICAL-ACCELERATION AND SPEED	Tachometer / Stroboscope (Non Contact)	Using Digital Tachometer with Motorized Tachometer Calibrator by Comparison Method	100 rpm to 90000 rpm	0.8 %
200	MECHANICAL-ACOUSTICS	Acoustic Pressure - Microphone @ 1 kHz	Using Dynamic Signal Analyzer, Reference Microphone & Precision Acoustic Calibrator by Comparison Method	94 dB to 114 dB	0.63 dB

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201	MECHANICAL-ACOUSTICS	Sound Calibrator @ 1 kHz	Using Microphone with Dynamic Signal Analyzer by Comparison Method	94 dB to 114 dB	0.55 dB
202	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Comparison Method	114 dB	0.72 dB
203	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Comparison Method	94 dB	0.72 dB
204	MECHANICAL-DENSITY AND VISCOSITY	Hydrometer	Using Precision Hydrometer & Appropriate Liquid by Comparison Method as per IS 3104 (Part - I & II)	0.6 g/ml to 1 g/ml	0.001 g/ml
205	MECHANICAL-DENSITY AND VISCOSITY	Hydrometer	Using Precision Hydrometer & Appropriate Liquid by Comparison Method as per IS 3104 (Part - I & II)	1 g/ml to 2 g/ml	0.001 g/ml
206	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vickers / Knoop / Rockwell Diamond Cone Indenter	Using Profile Projector by Comparison Method	Up to 0.6 mm	3.82 µm
207	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Air Gauge Unit (L.C.: 0.1 µm)	Using Air Setting Plug Gauge & Ring Gauge by Comparison Method	20 ± 0.08 mm	1.8 µm

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208	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel protector (L.C.: 5')	Using Profile Projector by Comparison Method	0° - 90° - 0°	6.81 minutes of Arc
209	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge - Transmission Error Only (L.C.: 0.001 mm)	Using Electronic Dial Calibration Tester by Comparison Method	0 to 2 mm	2.81 µm
210	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Calipers - Vernier / Dial / Digital (L.C.: 0.01 mm)	Using Slip Gauge Set , Long Gauge Blocks and Slip Gauge Accessories by Comparison Method	0 to 1000 mm	11.52 µm
211	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Calipers - Vernier / Dial / Digital (L.C.: 0.01 mm)	Using Gauge Blocks, Gauge Block Accessories & Long Gauge Blocks by Comparison Method	0 to 2000 mm	16.35 µm
212	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	CD Gauge	Using Profile projector by Comparison Method	0 to 200 mm	5.7 µm
213	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Combination Set (L.C.: 1°)	Using Profile Projector by Comparison Method	0 ° to 180 °	35.04 minutes of Arc

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214	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Comparator Stand - Flatness	Using Lever Dial Gauge by Comparison Method	(50 x 50) mm to (300 x 300) mm	3.05 µm
215	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Setting Master - Diameter	Using Length Measuring Machine and Gauge Blocks by Comparison Method	3 mm to 300 mm	1.7 µm
216	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Gauge - Vernier / Dial / Digital (L.C.: 0.01 mm)	Using Gauge Blocks & Depth Checker by Comparison Method	0 to 300 mm	11.69 µm
217	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer (L.C.: 0.001 mm)	Using Gauge Blocks & Depth Checker by Comparison Method	0 to 300 mm	9.69 µm
218	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge - Lever Type (L.C.: 0.001 mm)	Using Electronic Dial Calibration Tester by Comparison Method	0 to 0.14 mm	1.68 µm
219	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge - Lever Type (L.C.: 0.01 mm)	Using Electronic Dial Calibration Tester by Comparison Method	0 to 2 mm	6.1 µm

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220	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Snap Gauge (L.C.: 0.001 mm)	Using Gauge Blocks by Comparison Method	0 to 300 mm	6 µm
221	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Electronic level / Spirit Level / Frame Level (Sensitivity: 0.001 mm/m)	Using Precision Level and Tilting Table by Comparison Method	(-) 2 mm/m to 2 mm/m	7.06 µm/m
222	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Elongation Gauge - Gap Size	Using Digital Caliper by Comparison Method	14.7 mm to 81 mm	15 µm
223	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineering Comparator (L.C.: 0.5 µm)	Using Electronic Dial Calibration Tester by Comparison Method	(-) 25 µm to 25 µm	1.75 µm
224	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineering Parallel - Height Difference of Pair	Using Gauge Blocks & Lever Type Dial Gauge, Surface Plate by Comparison Method	50 mm to 500 mm	5.21 µm
225	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineering Parallel - Parallelism	Using Gauge Blocks & Electronic Probe with Comparator Stand & Surface Plate by Comparison Method	50 mm to 500 mm	5.2 µm

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226	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineering Parallel - Thickness	Using Gauge Blocks, Lever Type Dial Gauge & Surface Plate by Comparison Method	50 mm to 500 mm	5.2 µm
227	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineering Parallel - Width	Using Surface Plate, Gauge blocks & Lever Type Dial Gauge by Comparison Method	50 mm to 500 mm	5.2 µm
228	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Gauge Block Set & Long Gauge Blocks by Comparison Method	0 to 300 mm	2.42 µm
229	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Gauge Block Set, Long Gauge Blocks by Comparison Method	300 mm to 800 mm	9.38 µm
230	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Gauge Blocks, Long Gauge Blocks by Comparison method	800 mm to 1000 mm	12 µm
231	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Universal Length Measuring Machine by Comparison Method	0.01 mm to 1 mm	1 µm

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232	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Fillet Gauge - Angle (L.C.: 1°)	Using Profile Projector by Comparison Method	0° to 60°	5.3 minutes of Arc
233	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Fillet Gauge - Radius	Using Profile Projector by Comparison Method	0.3 mm to 100 mm	4.81 µm
234	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Flakiness Gauge	Using Digital Caliper by Comparison Method	4.8 mm to 100 mm	15 µm
235	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Gauge Block Accessory Set - Flatness	Using Optical Flat by Comparison Method	2 mm to 35 mm	1.2 µm
236	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Gauge Block Accessory Set - Parallelism	Using Measuring Pin, Surface Plate & Electronic Comparator by Comparison Method	2 mm to 35 mm	1.23 µm
237	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Gauge Block Accessory Set - Width	Using Gauge Blocks, Surface Plate & Electronic Comparator by Comparison Method	2 mm to 35 mm	1.5 µm

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238	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Groove Dial Caliper Gauge - Internal / External (L.C.: 0.01 mm)	Using Gauge Blocks and Gauge Block Accessories by Comparison Method	Up to 150 mm	6.92 µm
239	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Hegmen Gauge	Using Plunger Dial Gauge by Comparison Method	0 to 0.1 mm	3.27 µm
240	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Vernier / Dial / Digital, (L.C.: 0.01 mm)	Using Gauge Block Set, Long Gauge Blocks and Surface Plate by Comparison Method	0 to 1000 mm	9.94 µm
241	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inclinometer (L.C.: 0.01°)	Using Tilting Table & Angle Gauge Blocks by Comparison Method	10° to 90°	1.5 minutes of Arc
242	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal / Stick Micrometer (L.C.: 0.01 mm)	Using Gauge Blocks, Long Gauge Blocks, Gauge Block Accessories & Electronic Probe by Comparison Method	50 mm to 1000 mm	6.86 µm
243	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Laser Distance Meter (L.C.: 0.1 mm)	Using Gauge Block Set and Long Gauge Block Set by Comparison Method	0 to 2000 mm	32.02 µm

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244	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Limit Gauge	Using Profile Projector by Comparison Method	0 to 200 mm	4.81 µm
245	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Limit Gauge - Angle	Using Profile Projector by Comparison Method	5° to 90°	6.51 minutes of Arc
246	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Limit Gauge - Diameter	Using Universal Length Measuring Machine by Comparison Method	2 mm to 500 mm	3 µm
247	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Limit Gauge - Length	Using Long Gauge Block and LVDT Probe by Comparison Method	0.1 mm to 2000 mm	12 µm
248	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Limit Gauge - Width	Using Profile Projector by Comparison Method	0.1 mm to 200 mm	5.18 µm
249	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Master Foil	Using Universal Length Measuring Machine by Comparison Method	10 µm to 2 mm	1.76 µm

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250	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Pin	Using Length Measuring Machine by Comparison Method	0.1 mm to 20 mm	1 µm
251	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale (L.C.: 0.5 mm & 1 mm)	Using Tape & Scale Calibrator by Comparison Method	0 to 2000 mm	59 x sqrt(L) µm, where L in m
252	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	296.3 x sqrt(L) µm where L in m
253	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Gauge Blocks, Electronic Comparator by Comparison Method	25 mm to 800 mm	3.7 µm
254	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Gauge Blocks and Electronic Comparator by Comparison Method	800 mm to 2000 mm	14.73 µm
255	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Mould - Cube / Rectangular / Cylindrical Type	Using Digital Caliper by Comparison Method	Up to 300 mm	15.02 µm

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256	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Parallel Test Mandrel - Total Runout	Using Lever Type Dial Gauge and Bench Centre by Comparison Method	100 mm to 300 mm	2.3 µm
257	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Penetrometer (L.C.: 0.1 mm)	Using Standard Slip Gauge Block Set by Comparison Method	0 to 50 mm	63.8 µm
258	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pie Tape (L.C.: 1 mm)	Using Tape & Scale Calibrator by Comparison Method	15 mm to 3000 mm	60x sqrt(L) µm, where L in mm
259	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper Gauge (L.C.: 0.01 mm)	Using Gauge Blocks by Comparison Method	0 to 50 mm	32 µm
260	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge / OD Master	Using Length Measuring Machine by Comparison Method	0.5 mm to 100 mm	0.8 µm
261	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge/ OD Master	Using Length Measuring Machine by Comparison Method	> 100 mm to 300 mm	2.4 µm

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262	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge / Setting Ring Gauge	Using Length Measuring Machine by Comparison Method	> 100 mm to 300 mm	3.47 µm
263	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge / Setting Ring Gauge	Using Length Measuring Machine by Comparison Method	3 mm to 100 mm	2.29 µm
264	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Snap Gauge - Fixed / Adjustable	Using Gauge Blocks & Long Gauge Blocks by Comparison Method	1 mm to 300 mm	3.03 µm
265	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Gauge - Analog / Digital, (L.C.: 0.001 mm)	Using Electronic Dial Calibration Tester, Gauge Blocks and Comparator Stand by Comparison Method	0 to 100 mm	1.95 µm
266	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Gauge - Analog / Digital, (L.C.: 0.01 mm)	Using Electronic Dial Calibration Tester, Gauge Blocks and Comparator Stand by Comparison Method	0 to 100 mm	6.15 µm
267	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge	Using Profile Projector by Comparison Method	0.25 mm to 30 mm	4.12 µm

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268	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Receiver Gauge	Using Profile Projector by Comparison Method	0 to 200 mm	4.79 µm
269	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Riser Block	Using Electronic Comparator & Gauge Blocks by Comparison Method	0.5 mm to 200 mm	1.9 µm
270	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Sheet Metal Protractor (L.C.: 1°)	Using Profile Projector by Comparison Method	0° to 180°	5.3 minutes of Arc
271	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Slump Cone - Diameter / Height	Using Digital Vernier Caliper by Comparison Method	Up to 300 mm	35 µm
272	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge - Parallelism of Working Face	Using Dial Indicator/ Precision Level & Surface Plate by Comparison Method	0 to 1000 mm	6.38 µm
273	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge - Straightness of Working Faces	Using Dial Indicator / Precision Level & Surface Plate by Comparison Method	0 to 1000 mm	6.38 µm

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274	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate	Using Precision Level by Comparison Method	Up to 3000 mm x 3000 mm	2 x sqrt((W+L)/100) µm, where L & W in mm
275	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Roughness Tester - Ra Values (3 Values)	Using Surface Roughness Specimen & Depth Master by Comparison Method	Up to 3.2 µm	8.9 %
276	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Scale (L.C.: 0.1 mm)	Using Profile Projector by Comparison Method	0 to 15 mm	59 µm
277	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Thread Plug Gauge - Angle (1:16)	Using Length Measuring Machine by Comparison Method	Up to 1°47'	3.8 Arc Seconds
278	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Thread Plug Gauge - Effective Diameter	Using Length Measuring Machine by Comparison Method	5 mm to 100 mm	1.4 µm
279	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Template	Using Digital Profile Projector by Comparison Method	0 to 200 mm	5.9 µm

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280	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Mandrel - Diameter	Using ULM, Gauge Blocks, Lever Type Dial Gauge and Bench Centre by Comparison Method	0 to 300 mm	2.4 µm
281	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Mandrel - Straightness	UsingGauge Blocks, Lever Type Dial Gauge and Bench Centre by Comparison Method	0 to 300 mm	2.1 µm
282	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve	Using Profile Projector by Comparison Method	20 µm to 20 mm	5.8 µm
283	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve	Using Digital Vernier Caliper by Comparison Method	20 mm to 125 mm	19 µm
284	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Gauge (L.C: 0.001 mm)	Using Gauge Blocks by Comparison Method	0 to 25 mm	6 µm
285	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Measuring Wire	Using Length Measuring Machine by Comparison Method	0.17 mm to 7.5 mm	0.8 µm

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286	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Gauge - Angle	Using Profile Projector by Comparison Method	55 ° to 60 °	6.81 minutes of Arc
287	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Gauge - Pitch	Using Profile Projector by Comparison Method	Up to 6 mm	3.8 µm
288	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge / Wear Check Plug Gauge - Effective Diameter	Using Length Measuring Machine by Comparison Method	100 mm to 300 mm	3.2 µm
289	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge / Wear Check Plug Gauge - Effective Diameter	Using Length Measuring Machine by Comparison Method	2 mm to 100 mm	1.4 µm
290	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge - Effective Diameter	Using Length Measuring Machine by Comparison Method	> 100 mm to 300 mm	3.95 µm
291	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge - Effective Diameter	Using Length Measuring Machine by Comparison Method	2 mm to 100 mm	1 µm

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292	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Three Point Micrometer (L.C.: 0.001 mm)	Using Setting Ring Gauges by Comparison Method	5 mm to 20 mm	3.1 µm
293	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square - Parallelism	Using Granite Square, Gauge Blocks, Comparator Stand, Lever Dial Gauge by Comparison Method	0 to 300 mm	6 µm
294	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square - Squareness	Using Granite Square, Gauge Blocks, Comparator Stand, Lever Dial Gauge by Comparison Method	0 to 300 mm	7.6 µm
295	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tri Square - Straightness	Using Granite Square, Gauge Blocks, Comparator Stand, Lever Dial Gauge by Comparison Method	0 to 300 mm	3.8 µm
296	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ultrasonic Thickness Gauge (L.C.: 0.1 mm)	Using Blocks by Comparison Method	0 to 200 mm	57.74 µm
297	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block - Flatness	Using Lever Type Dial Gauge & Surface Plate by Comparison Method	Up to (150 x 100 x 100) mm	5.1 µm

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298	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block - Parallelism	Using Lever Type Dial Gauge, Straight Mandrel & Surface Plate by Comparison Method	Up to (150 x 100 x 100) mm	5.1 µm
299	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block - Squareness	Using Slip Gauge, Square Master & Surface Plate by Comparison Method	Up to (150 x 100 x 100) mm	8.53 µm
300	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block - Symmetricity	Using Straight Mandrel, Lever Type Dial Gauge & Surface Plate by Comparison Method	Up to (150 x 100 x 100) mm	8.53 µm
301	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	2D Electronic Height Gauge - Linear (L.C.: 0.0001 mm	Using Caliper Checker, Gauge Block Set and Surface Plate by Comparison Method	0 to 600 mm	8 µm
302	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	2D Electronic Height Gauge - Squareness (L.C.: 0.0001 mm)	Using Electronic Comparator, Surface Plate & Granite Square by Comparison Method	0 to 1000 mm	8.71 µm
303	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Caliper Checker	Using Gauge Blocks, Surface plate & Electronic Comparator with Probe by Comparison Method	0 to 600 mm	5 µm

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304	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Cylindrical Setting Master - Runout	Using Bench Centre with Lever Dial by Comparison Method	3 mm to 300 mm	5.6 µm
305	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Dial Calibration Tester (L.C.: 0.0001 mm)	Using Gauge Blocks & Electronic Comparator by Comparison Method	Up to 25 mm	0.97 µm
306	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Electronic Probe / LVDT Probe (L.C.: 0.0001 mm)	Using Gauge Blocks by Comparison Method	0 to 100 mm	3 µm
307	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Electronic Probe with DRO (L.C.: 0.0001 mm & Coarser)	Using Length Measuring Machine by Comparison Method	0 to 2 mm	0.8 µm
308	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Extensometer, Extensometer Calibrator (L.C.: 0.1 µm)	Using Specially Designed Fixture with Electronic Probe by Comparison Method	Up to 25 mm	1.4 µm
309	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Bar	Using Length Measuring Machine by Comparison Method	25 mm to 200 mm	1.2 µm
310	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	LVDT Probe with DRO (L.C.: 0.1 µm)	Using Precision Digital Length Measuring Instruments by Comparison Method	Up to 25 mm	1.4 µm
311	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Precision Angular Glass Graticule (L.C.: 1°)	Using Profile Projector by Comparison Method	0° to 360°	5.3 minutes of Arc

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312	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector / Video Measuring System / Microscope - Angular (L.C.: 01")	Using Precision Glass Graticule by Comparison Method	0° to 360°	5.1 minutes of Arc
313	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector / Video measuring System / Microscope - Linear (L.C.: 0.1 µm)	Using Precision Glass Scale and Gauge Blocks by Comparison Method	Up to 400 x 350 mm	3.6 µm
314	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector / Video Measuring System / Microscope - Magnification	Using Gauge Blocks and Digital Vernier Caliper by Comparison Method	1 X to 100 X	0.46 %
315	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Scale & Tape Calibrator (L.C.: 0.1 µm)	Using Gauge blocks and Long Gauge Blocks by Comparison Method	Up to 1000 mm	4.42 µm
316	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Universal Length Measuring Machine (L.C.: 0.0001 mm)	Using Slip Gauge Blocks by Comparison Method	100 mm to 600 mm	2.49 µm
317	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Universal Length Measuring Machine (L.C.: 0.1 µm)	Using Long Gauge Blocks by Comparison Method	0 to 100 mm	0.76 µm
318	MECHANICAL-DUROMETER	Durometer - Shore A	Using Load Cell with Digital Indicator and Fixture Frame by Direct Method as per ASTM D 2240 - 2016	0 to 100 Shore A	0.92 Shore A
319	MECHANICAL-DUROMETER	Durometer - Shore D	Using Load Cell with Digital Indicator and Fixture Frame by Direct Method as per ASTM D 2240 - 2016	0 to 100 Shore D	0.92 Shore D

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320	MECHANICAL-MOBILE FORCE MEASURING SYSTEM	Push Pull Gauge, Force Gauge (Push and Pull Mode)	Using Dead Weight Force Calibration Machine with Stainless Steel / Dead Weight and Loading Hangers by Direct Method as per VDI / VDE - 2624	5 N to 500 N	0.5 %
321	MECHANICAL-PRESSURE INDICATING DEVICES	Barometer(Analog / Dial / Digital), Barometric Transmitter / Switch	Using Precision Absolute Pressure Gauge, Barometric Chamber, Pneumatic Vacuum & Pressure Pump & Digital 6.5 Multimeter by Comparison Method as per DKD R 6 - 1	15 mbar abs to 2000 mbar abs	1.6 mbar abs
322	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure - Pressure Gauge (Digital / Dial), Pressure Indicator, Pressure Calibrator, Pressure Controller, Pressure Transmitter, Pressure Transducer, Pressure Switch, Pressure Recorder	Using Precision Pressure Pressure Indicator with Hydraulic Pump & Digital Multimeter by Comparison Method as per DKD R 6 - 1	0 to 1000 bar	0.2 bar

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323	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Pressure Gauge (Digital / Analog), Pressure Transducer / Pressure Sensor / Pressure Transmitter / Pressure Switch / Pressure Indicator / Pressure Calibrator /Pressure Controller, Magnehelic Gauge, Differential Pressure Gauge	Using Precision Pressure Calibrator & Digital Multimeter by Comparison Method as per DKD R 6 - 1	(-) 500 mbar to (+) 500 mbar	0.34 mbar
324	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Pressure Gauge (Digital / Dial) Pressure Transducer / Sensor / Transmitter / Switch / Indicators	Using Precision Pressure Calibrator & Digital Multimeter by Comparison Method as per DKD R 6 - 1	0 to 19600 pa	20 pa
325	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Pressure Gauge (Digital / Dial), Pressure Indicator, Pressure Calibrator, Pressure Controller, Pressure Transmitter, Pressure Transducer	Using Digital Precision Pressure Calibrator & Indicator with Pneumatic Pump & Digital Multimeter by Comparison Method as per DKD R 6 - 1	0 to 35 bar	0.012 bar

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326	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Pressure Gauge (Digital / Dial), Pressure Indicator, Pressure Calibrator, Pressure Controller, Manometer, Differential Pressure Gauge Pressure Transmitter, Pressure Transducer	Using Digital precision Pressure Calibrator & Indicator with Pneumatic Pump & Digital Multimeter by Comparison Method as per DKD R 6 - 1	0.1 bar to 2 bar	0.0009 bar
327	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Vacuum Gauge, Vacuum Indicator, Vacuum Calibrator, Vacuum Controller, Vacuum Transmitter, Vacuum Transducer, Vacuum Switch, Vacuum Recorder	Using Digital Precision Pressure Indicator with Pneumatic Pump & Digital Multimeter by Comparison Method as per DKD R 6 - 1	(-) 0.9 bar to 0	0.001 bar
328	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench, Torque Driver, Torque Tool - Indicating Type I (Class A,B,C,D,E) & Torque Setting Type II (Class A,B,C,D,E,F,G)	Using Torque Wrench Calibrator by Direct Method as per ISO 6789 : 2017 (Part - 1, 2)	0.2 Nm to 2 Nm	2.44 %
329	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench, Torque Driver, Torque Tool - Indicating Type I (Class A,B,C,D,E) & Torque Setting Type II (Class A,B,C,D,E,F,G)	Using Torque Wrench Calibrator by Direct Method as per ISO 6789 : 2017 (Part - 1, 2)	2 Nm to 2000 Nm	0.86 %

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330	MECHANICAL-TORQUE MEASURING DEVICES	Torque Calibrator, Torque Transducer with or without Indicator, Torque Meter, Torque Tester	Using Dead Weight Torque Calibration System Consisting of Lever Arm and Stainless Steel Dead Weights by Direct Method as per BS : 7882	0.05 Nm to 5 Nm	0.08 %
331	MECHANICAL-TORQUE MEASURING DEVICES	Torque Calibrator, Torque Transducer with or without Indicator, Torque Meter, Torque Tester	Using Dead Weight Torque Calibration System Consisting of Lever Arm and Stainless Steel Dead Weights by Direct Method as per BS : 7882	5 Nm to 500 Nm	0.06 %
332	MECHANICAL-TORQUE MEASURING DEVICES	Torque Calibrator, Torque Transducer with or without Indicator, Torque Meter, Torque Tester	Using Dead Weight Torque Calibration System Consisting of Lever Arm and Stainless Steel Dead Weights by Direct Method as per BS : 7882	500 Nm to 2000 Nm	0.06 %
333	MECHANICAL-VOLUME	Glass Pipette (Graduated / Non Graduated), Burette, Measuring Cylinder, Volumetric Flask, Conical Flask, Beaker	Using Weighing balance Cap 25 kg with Readability 0.01 g and Distilled Water by Gravimetric Method as per ISO 4787 : 2021	> 5 l to 10 l	0.49 ml

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334	MECHANICAL-VOLUME	Glass Pipette (Graduated / Non Graduated), Burette, Measuring Cylinder, Volumetric Flask, Conical Flask, Beaker	Using Weighing balance Cap 210 g with Readability 0.01 mg and Distilled Water by Gravimetric Method as per ISO 4787 : 2021	1 ml to 10 ml	0.004 ml
335	MECHANICAL-VOLUME	Glass Pipette (Graduated / Non Graduated), Burette, Measuring Cylinder, Volumetric Flask, Conical Flask, Beaker	Using Weighing Balance 3000 g with Readability 1 mg and Distilled Water by Gravimetric Method as per ISO 4787 : 2021	10 ml to 100 ml	0.005 ml
336	MECHANICAL-VOLUME	Glass Pipette (Graduated / Non Graduated), Burette, Measuring Cylinder, Volumetric Flask, Conical Flask, Beaker	Using Weighing Balance 3000 g with Readability 0.001 g and Distilled Water by Gravimetric Method as per ISO 4787 : 2021	100 ml to 1000 ml	0.02 ml
337	MECHANICAL-VOLUME	Glass Pipette (Graduated / Non Graduated), Burette, Measuring Cylinder, Volumetric Flask, Conical Flask, Beaker	Using Weighing Balance 3 kg with Readability 0.001 g and Distilled Water by Gravimetric Method as per ISO 4787 : 2021	1000 ml to 2000 ml	0.044 ml
338	MECHANICAL-VOLUME	Glass Pipette (Graduated / Non Graduated), Burette, Measuring Cylinder, Volumetric Flask, Conical Flask, Beaker	Using Weighing Balance 25 kg with Readability 0.01 g and Distilled Water by Gravimetric Method as per ISO 4787 : 2021	2000 ml to 5000 ml	0.073 ml

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339	MECHANICAL-VOLUME	Glass Pipette - Graduated / Non Graduated	Using Weighing Balance Cap 210g with Readability 0.01 mg and Distilled Water by Gravimetric Method as per ISO 4787 : 2021	0.1 ml to 1 ml	0.004 ml
340	MECHANICAL-VOLUME	Piston Operated Micropipette	Using Weighing Balance Cap. 210g with Readability 0.01 mg and Distilled Water by Gravimetric Method as per ISO 8655 - 6 : 2022	> 1000 µl to 2000 µl	0.48 µl
341	MECHANICAL-VOLUME	Piston Operated Micropipette	Using Weighing Balance 210g with readability 0.01 mg and Distilled Water by Gravimetric Method as per ISO 8655 - 6 : 2022	2000 µl to 10000 µl	6.3 µl
342	MECHANICAL-VOLUME	Piston Operated Micropipette), Syringe (Non Medical Purpose Only)	Using Weighing Balance 5g with Readability 0.001 mg and Distilled Water by Gravimetric Method as per ISO 8655 - 6 : 2022	10 µl to 100 µl	0.15 µl

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343	MECHANICAL-VOLUME	Piston Operated Micropipette, Syringe (Non-Medical Purpose Only)	Using Weighing Balance Cap 210 g with Readability 0.01 mg and Distilled Water by Gravimetric Method as per ISO 8655 - 6 : 2022	> 100 µl to 1000 µl	0.48 µl
344	MECHANICAL-VOLUME	Piston Operated Micropipette, Syringe (Non-Medical Purpose Only)	Using Weighing balance 5 g with Readability 0.001 mg and Distilled Water by Gravimetric Method as per ISO 8655 - 6 : 2022	1 µl to 10 µl	0.026 µl
345	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Accuracy Class - III, Readability: 0.01 kg	Using F1 and M1 Class Reference Standard Weights by Direct Method as per OIML R- 76	> 300 kg to 500 kg	33 g
346	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Accuracy Class - III, Readability: 0.1 kg	Using M1 Class Standard Weights by Direct Method as per OIML R-76	> 300 kg to 1000 kg	73 g
347	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Accuracy Class - III, Readability: 100 g & Coarser	Using F1 and M1 Class Weights by Direct Method as per OIML R-76	> 1000 kg to 2000 kg	200 g
348	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Non Automatic Weighing Balance / Comparator, Accuracy Class - I, Readability: 0.001 mg & Coarser	Using E1 Class Standard Weights by Direct Method as per OIML R-76	1 mg to 21 g	0.007 mg

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349	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Non Automatic Weighing Balance / Comparator, Accuracy Class - I, Readability: 0.01 mg & Coarser	Using E1 Class Standard Weights by Direct Method as per OIML R-76	> 21 g to 220 g	0.049 mg
350	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Non Automatic Weighing Balance / Comparator, Accuracy Class - II, Readability: 0.001 g & Coarser	Using Standard weights E1 Class by Comparison Method as per OIML R-76	> 220 g to 3 kg	6.9 mg
351	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Non Automatic Weighing Balance / Comparator, Accuracy Class - II, Readability: 0.01g & Coarser	Using E1 and E2 Class Reference Standard Weights by Direct Method as per OIML R - 76	> 5 kg to 25 kg	15 mg
352	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Non Automatic Weighing Balance / Comparator, Accuracy Class - II, Readability: 0.1 g & Coarser	Using E2 Class Standard Weights by Direct Method as per OIML R-76	> 25 kg to 60 kg	0.18 g
353	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Non Automatic Weighing Balance / Comparator, Accuracy Class - II, Readability: 10 mg & Coarser	Using E1 Class Standard Weights by Direct Method as per OIML R- 76	0.01 g to 5 kg	6.87 mg

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354	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance, Accuracy Class - I, Readability: 0.001 mg & Coarser	Using Standard Weights E1 Class by Direct Method as per OIML R-76	0 to 5 g	0.004 mg
355	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 5 g, Readability 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	1 g	0.0033 mg
356	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 5 g, Readability 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	1 mg	0.002 mg
357	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 220 g, Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	10 g	0.013 mg

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358	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 5 g, Readability 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	10 mg	0.002 mg
359	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 220 g, Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	100 g	0.03 mg
360	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 5 g, Readability 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	100 mg	0.002 mg
361	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 5 g, Readability 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	2 g	0.004 mg

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362	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 5 g, Readability 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	2 mg	0.002 mg
363	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 220 g, Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	20 g	0.013 mg
364	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 5 g, Readability 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	20 mg	0.002 mg
365	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 220 g, Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	200 g	0.035 mg

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366	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 5 g, Readability 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	200 mg	0.002 mg
367	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 5 g, Readability 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	5 g	0.005 mg
368	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 5 g, Readability 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	5 mg	0.002 mg
369	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 220 g, Readability 0.01 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	50 g	0.02 mg

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370	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 5 g, Readability 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	50 mg	0.002 mg
371	MECHANICAL-WEIGHTS	Accuracy Class E2 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 5 g, Readability 0.001 mg) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	500 mg	0.002 mg
372	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 3 kg, Readability 0.001 g) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	1 kg	0.85 mg
373	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 25 kg, Readability 0.01 g) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	10 kg	13 mg

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374	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 3 kg, Readability 0.001 g) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	2 kg	1.5 mg
375	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 25 kg, Readability 0.01 g) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	20 kg	14 mg
376	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 25 kg, Readability 0.01 g) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	5 kg	8.3 mg
377	MECHANICAL-WEIGHTS	Accuracy Class F1 & Coarser	Using Standard Weights E1 Class and Electronic Balance (Cap. 3 kg, Readability 0.001 g) by Substitution Method (ABBA Cycle) as per OIML R111 - 1	500 g	0.71 mg

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378	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Meter (Dial / Digital)	Using Temperature & Humidity Meter with Humidity Chamber by Comparison Method	10 % rh to 95 % rh @ (10 °C to 60 °C)	1.74 % rh
379	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Meter (Dial / Digital)	Using Temperature & Humidity Meter with Temperature & Humidity chamber by Comparison Method	10 % rh to 95 % rh @ (20 °C to 60 °C)	1.82 % rh
380	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Transmitter / Digital Humidity Meter / Temperature Data Logger (Internal and External Sensor)	Using Temperature and RH Indicator with Sensor with Temperature & Humidity Chamber and Digital Multimeter by Comparison Method	10 °C to 60 °C @ (20 % rh to 95 % rh)	0.34 °C
381	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Humidity Chamber, Climatic Chamber, Altitude Chamber, Salt Spray Chamber - Single Position Calibration	Using Temperature & Humidity Meter by Comparison Method	15 % rh to 95 % rh @ (20 °C to 60 °C)	1.74 % rh
382	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Humidity Chamber, Climatic Chamber, Salt Spray Chamber - Single Position Calibration	Using Temperature & Humidity Meter by Comparison Method	10 °C to 60 °C @ (10 % rh to 95 % rh)	0.34 °C
383	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Salt Spray Chamber Hot & Cold Chamber, Humidity Chamber - Single Position Calibration	Using Temperature and RH Indicator with Sensor by Comparison Method	15 % rh to 95 % rh @ (20 °C to 60 °C)	1.74 % rh

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384	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Salt spray Chamber, Hot & Cold Chamber, Humidity Chamber - Single Position Calibration	Using Temperature and RH Indicator with Sensor by Comparison Method	10 °C to 60 °C @ (45 % rh to 95 % rh)	0.32 °C
385	THERMAL-SPECIFIC HEAT & HUMIDITY	Thermo Hygrometer, Humidity Meter / Indicator, Data Logger (Internal and External Sensor) / Controller, Humidity Transmitter	Using Temperature and RH Indicator with Sensor with & RH Chamber and DMM by Comparison Method	10 % rh to 95 % rh @ 25 °C	1.52 % rh
386	THERMAL-SPECIFIC HEAT & HUMIDITY	Thermo Hygrometer, Humidity Meter / Indicator, Data Logger (Internal and External Sensor) / Controller, Humidity Transmitter	Using Temperature and RH Indicator with Sensor with & RH Chamber and DMM by Comparison Method	10 °C to 60 °C @ 50 % rh	0.32 °C
387	THERMAL-TEMPERATURE	IR Thermometer, IR Transmitter, Pyrometer (Non Medical Purpose Only)	Using IR Thermometer with Black Body Source (Emissivity: 0.95) by Comparison Method	50 °C to 500 °C	2.64 °C
388	THERMAL-TEMPERATURE	Glass Thermometer	Using SPRT Sensor with 6½ Digital Multimeter & Liquid bath by Comparison Method	(-) 80 °C to 0 °C	0.34 °C
389	THERMAL-TEMPERATURE	Glass Thermometer	Using SPRT Sensor with 6½ Digital Multimeter & Liquid Bath by Comparison Method	0 °C to 100 °C	0.17 °C

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390	THERMAL-TEMPERATURE	Glass Thermometer	Using SPRT Sensor with 6½ Digital Multimeter & Liquid Bath by Comparison Method	100 °C to 250 °C	0.33 °C
391	THERMAL-TEMPERATURE	RTD / Thermocouple Sensor with / without Indicator, Temperature Transmitter, Data Logger with Sensor, Probe Thermometer, Bimetal Thermometer, Recorder, Temperature Switch, Temperature Gauge, Digital Thermometer	Using SPRT Sensor with Indicator, 6½ Digital Multimeter with Liquid Bath by Comparison Method	(-) 80 °C to 100 °C	0.19 °C
392	THERMAL-TEMPERATURE	RTD / Thermocouple with / without Indicator, Temperature Transmitter, Thermometer., Data Logger with Sensor, Probe / Bimetal Thermometer, Recorders, Temperature Switch, Temperature Gauge, Digital Thermometer	Using SPRT with Precision Indicator, Digital Multimeter and Dry bath by Comparison Method	30 °C to 650 °C	0.19 °C
393	THERMAL-TEMPERATURE	RTD Sensor with / without Indicator, Temperature Transmitter, Data Logger with Sensor, Digital Thermometer	Using SPRT Sensor with Indicator, 6½ Digital Multimeter with Liquid Nitrogen Bath by Comparison Method	(-) 196 °C	0.19 °C

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394	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Black Body Source	Using IR Thermometer (Emissivity: 0.95) by Comparison Method	50 °C to 500 °C	2.78 °C
395	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Cold Room, Freezer - Single Position Calibration	Using Standard SPRT with 6½ Digital Multimeter by Comparison Method	(-) 80 °C to 80 °C	0.17 °C
396	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Furnace, Dry Block Bath and Temperature Bath - Single Position Calibration	Using Standard S Type Thermocouple with 6½ Digital Multimeter by Comparison Method	100 °C to 1200 °C	1.8 °C
397	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Oven, Incubator (Non Medical Purpose Only), Salt Spray Chamber, Liquid Bath, Cryostat Bath, Oil Bath, Temperature Bath, Oven, Dry Block Calibrator - Single Position Calibration	Using Standard SPRT with 6½ Digital Multimeter by Comparison Method	(-) 80 °C to 300 °C	0.17 °C
398	THERMAL-TEMPERATURE	Thermocouple with / without Indicator, Temperature Transmitter, Data Logger with Sensor, Digital Thermometer	Using S - Type Thermocouple with Indicator, Digital Multimeter with Dry bath by Comparison Method	600 °C to 1200 °C	2.09 °C

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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ (45 Hz to 1 kHz)	Using 6½ Digital Multimeter by Direct Method	1 A to 3 A	0.17 % to 0.31 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ (45 Hz to 1 kHz)	Using 6½ Digital Multimeter by Direct Method	10 µA to 100 µA	0.58 % to 0.17 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ (45 Hz to 1 kHz)	Using 6½ Digital Multimeter by Direct Method	100 µA to 1 A	0.17 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ (45 Hz to 1 kHz)	Using 6½ Digital Multimeter by Direct Method	3 A to 10 A	0.31 % to 0.22 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Current Shunt with 6½ DMM by VI Method	10 A to 100 A	0.7 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Current Shunt with 6½ Digit DMM by VI Method	10 A to 30 A	0.43 %

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7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Current Shunt with 6½ DMM by VI Method	100 A to 1000 A	1.5 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using H.V Probe with DMM by Direct Method	1 kV to 28 kV	7.5 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High Voltage Measurement System with 6½ DMM by Direct Method	10 kV to 100 kV	5.4 %
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ (45 Hz to 1 kHz)	Using 6½ Digital Multimeter by Direct Method	1 mV to 100 mV	4.7 % to 0.12 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ (45 Hz to 1 kHz)	Using 6½ Digital Multimeter by Direct Method	10 V to 750 V	0.11 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ (45 Hz to 1 kHz)	Using 6½ Digital Multimeter by Direct Method	100 mV to 10 V	0.12 % to 0.11 %

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13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter by Direct Method	100 pF to 100 µF	0.094 % to 0.14 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 100 Hz	Using LCR Meter by Direct Method	100 µF to 10 mF	0.16 %
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using LCR Meter by Direct Method	100 µH to 10 H	0.17 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Resistance (4 Wire) @ 1 kHz	Using LCR Meter by Comparison Method	1 ohm to 1 Mohm	0.15 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (1 kHz to 10 kHz)	Using Multi Product Calibrator by Direct Method	1.1 A to 3 A	2.3 % to 2.1 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (1 kHz to 10 kHz)	Using Multi Product Calibrator by Direct Method	19 mA to 330 mA	0.17 % to 0.18 %

SCOPE OF ACCREDITATION

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19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (1 kHz to 10 kHz)	Using Multi Product Calibrator by Direct Method	330 mA to 1.1 A	0.18 % to 2.3 %
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (1 kHz to 5 kHz)	Using Multi Product Calibrator by Direct Method	11 A to 20 A	2.34 % to 2.35 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (1 kHz to 5 kHz)	Using Multi Product Calibrator by Direct Method	3 A to 11 A	0.5 % to 2.34 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (10 Hz to 45 Hz)	Using Multi Product Calibrator by Direct Method	30 µA to 330 µA	0.42 % to 0.18 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (10 Hz to 45 Hz)	Using Multi Product Calibrator by Direct Method	33 mA to 3 A	0.15 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (10 Hz to 45 Hz)	Using Multi Product Calibrator by Direct Method	330 µA to 33 mA	0.18 % to 0.15 %
25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (45 Hz to 1 kHz)	Using Multi Product Calibrator by Direct Method	1.1 A to 11 A	0.05 % to 0.17 %

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26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (45 Hz to 1 kHz)	Using Multi Product Calibrator by Direct Method	11 A to 20 A	0.17 % to 0.14 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (45 Hz to 1 kHz)	Using Multi Product Calibrator by Direct Method	30 µA to 330 µA	0.36 % to 0.12 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (45 Hz to 1 kHz)	Using Multi Product Calibrator by Direct Method	33 mA to 330 mA	0.04 % to 0.07 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (45 Hz to 1 kHz)	Using Multi Product Calibrator by Direct Method	330 µA to 33 mA	0.12 % to 0.04 %
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (45 Hz to 1 kHz)	Using Multi Product Calibrator by Direct Method	330 mA to 1.1 A	0.07 % to 0.05 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Current Source and Current Shunt with 6½ DMM Digit by VI Method	10 A to 100 A	0.9 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multiproduct Calibrator with 50 Turn Current Coil by Direct Method	20 A to 1000 A	0.7 %

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33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (10 Hz to 45 Hz)	Using Multi Product Calibrator by Direct Method	1 mV to 30 mV	0.54 % to 0.09 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (10 Hz to 45 Hz)	Using Multi Product Calibrator by Direct Method	30 mV to 300 mV	0.09 % to 0.04 %
35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (10 Hz to 45 Hz)	Using Multi Product Calibrator by Direct Method	300 mV to 30 V	0.04 % to 0.035 %
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (10 kHz to 100 kHz)	Using Multi Product Calibrator by Direct Method	3 V to 30 V	0.06 % to 0.08 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (10 kHz to 100 kHz)	Using Multi Product Calibrator by Direct Method	30 mV to 3 V	0.31 % to 0.06 %
38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (10 kHz to 100 kHz)	Using Multi Product Calibrator by Direct Method	30 V to 100 V	0.08 % to 0.2 %
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (100 kHz to 500 kHz)	Using Multi Product Calibrator by Direct Method	30 mV to 300 mV	0.76 % to 0.18 %

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40	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (100 kHz to 500 kHz)	Using Multi Product Calibrator by Direct Method	300 mV to 3 V	0.18 % to 0.21 %
41	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (45 Hz to 10 kHz)	Using Multi Product Calibrator by Direct Method	1 mV to 300 mV	0.54 % to 0.015 %
42	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (45 Hz to 10 kHz)	Using Multi Product Calibrator by Direct Method	3 V to 30 V	0.026 % to 0.014 %
43	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (45 Hz to 10 kHz)	Using Multi Product Calibrator by Direct Method	30 V to 300 V	0.014 % to 0.022 %
44	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (45 Hz to 10 kHz)	Using Multi Product Calibrator by Direct Method	300 mV to 3 V	0.015 % to 0.026 %
45	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (45 Hz to 10 kHz)	Using Multi Product Calibrator by Direct Method	300 V to 1000 V	0.022 % to 0.03 %
46	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multi Product Calibrator by Direct Method	1 nF to 110 nF	1.17 % to 0.22 %

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47	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	100 µF to 10 mF	1.4 %
48	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multi Product Calibrator by Direct Method	110 nF to 300 nF	0.22 % to 0.3 %
49	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multi Product Calibrator by Direct Method	220 pF to 1 nF	3.93 % to 1.17 %
50	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multi Product Calibrator by Direct Method	0.7 µF to 11 µF	0.34 % to 0.64 %
51	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multi Product Calibrator by Direct Method	11 µF to 110 µF	0.64 % to 0.7 %
52	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box by Direct Method	110 µH to 10 H	1.23 %
53	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase AC Active Power @ 50Hz (UPF, 120 V to 240 V, 0.01 A to 20 A)	Using Multi Product Calibrator by Direct Method	1.2 W to 4.8 kW	0.1 % to 0.17 %

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54	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Active AC Power @ 50Hz (0.2 Lag, 120 V to 240 V, 0.1 A to 20 A)	Using Multi Product Calibrator by Direct method	2.4 W to 960 W	0.56 % to 0.6 %
55	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Active AC Power @ 50Hz (0.5 Lag, 120 V to 240 V, 0.1 A to 20 A)	Using Multi Product Calibrator by Direct method	6 W to 2.4 kW	0.36 % to 0.4 %
56	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Active AC Power @ 50Hz (0.8 Lead, 120 V to 240 V, 0.1 A to 20 A)	Using Multi Product Calibrator By Direct method	9.6 W to 3.8 kW	0.14 % to 0.21 %
57	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.2 (Lead / Lag)	0.0013 PF
58	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.5 (Lead / Lag)	0.002 PF
59	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.8 (Lead / Lag)	0.0015 PF
60	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Single Phase Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	UPF	0.0014 PF

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61	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	1 µA to 100 µA	2.94 % to 0.09 %
62	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	1 A to 10 A	0.13 % to 0.2 %
63	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	1 mA to 100 mA	0.07 %
64	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Current Shunt with 6½ DMM by VI Method	10 A to 100 A	0.64 %
65	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Current Shunt with 6½ DMM by VI Method	10 A to 30 A	0.36 %
66	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	100 µA to 1 mA	0.09 % to 0.07 %
67	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Current 1000 A Shunt (75 mV ratio) with 6½ DMM by VI Method	100 A	1 %

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68	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	100 mA to 1 A	0.07 % to 0.13 %
69	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using H.V Probe with 6½ DMM by Direct Method	1 kV to 40 kV	4.2 %
70	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using High Voltage Measurement System with 6½ DMM by Direct Method	10 kV to 70 kV	4.7 %
71	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	1 mV to 100 mV	0.41 % to 0.01 %
72	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	1 V to 1000 V	0.007 %
73	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	100 mV to 1 V	0.01 % to 0.007 %
74	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	1 kohm to 1 Mohm	0.013 %

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75	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	1 Mohm to 10 Mohm	0.013 % to 0.05
76	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	10 Mohm to 100 Mohm	0.05 % to 0.94 %
77	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digital Multimeter by Direct Method	1 ohm to 100 ohm	0.5 % to 0.016 %
78	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digital Multimeter by Direct Method	100 ohm to 1 kohm	0.016 % to 0.013 %
79	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	1 A to 10 A	0.02 % to 0.04 %
80	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	10 µA to 330 µA	0.17 % to 0.016 %
81	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Current Source and Current Shunt by VI Method	10 A to 100 A	0.7 %

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82	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	10 A to 20 A	0.04 % to 0.08 %
83	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator with 50 Turn Current Coil by Direct Method	20 A to 1000 A	0.7 %
84	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	33 mA to 1 A	0.008 % to 0.02 %
85	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	330 µA to 33 mA	0.016 % to 0.008 %
86	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1 V to 10 V, 10 mA to 1 A)	Using Multi Product Calibrator by Direct Method	10 mW to 10 W	0.64 %
87	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1 V to 100 V, 1 A to 10 A)	Using Multi Product Calibrator by Direct Method	10 W to 1 kW	0.02 % to 0.06 %
88	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (100 V to 1000 V, 10 A to 20 A)	Using Multi Product Calibrator by Direct Method	1 kW to 20 kW	0.06 %

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89	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	10 Gohm to 1000 Gohm	9.8 %
90	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	1 mV to 330 mV	0.08 % to 0.002 %
91	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	1 V to 10 V	0.001 %
92	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	10 V to 330 V	0.001 % to 0.002 %
93	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	330 mV to 1 V	0.002 % to 0.001 %
94	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	330 V to 1000 V	0.002 %
95	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multi Product Calibrator by Direct Method	1.1 Mohm to 11 Mohm	0.007 % to 0.037 %

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96	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multi Product Calibrator by Direct Method	11 Mohm to 110 Mohm	0.037 % to 0.3 %
97	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multi Product Calibrator by Direct Method	110 kohm to 1.1 Mohm	0.003 % to 0.007 %
98	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multi Product Calibrator by Direct Method	110 Mohm to 300 Mohm	0.3 % to 0.26 %
99	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multi Product Calibrator by Direct Method	300 Mohm to 1 Gohm	0.26 % to 1.21 %
100	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 5 kV	Using Decade Resistance Box by Direct Method	100 kohm to 1000 Mohm	1.2 %
101	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 5 kV	Using High Resistance Jig by Direct Method	5 Mohm to 10 Gohm	4.58 %
102	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	1 kohm	0.06 %

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103	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	1 mohm	0.1 %
104	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	1 ohm	0.08 %
105	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multi Product Calibrator by Direct Method	1 ohm to 11 ohm	0.08 % to 0.013 %
106	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multi Product Calibrator by Direct Method	1.1 kohm to 109.99 kohm	0.004 % to 0.003 %
107	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	1.5 mohm	0.09 %
108	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	10 kohm	0.06 %
109	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	10 mohm	0.1 %

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110	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	10 ohm	0.06 %
111	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	100 kohm	0.06 %
112	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	100 mohm	0.1 %
113	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	100 ohm	0.06 %
114	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multi Product Calibrator by Direct Method	11 ohm to 1.1 kohm	0.013 % to 0.004 %
115	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	5 mohm	0.15 %
116	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	5 ohm	0.04 %

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117	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	50 kohm	0.06 %
118	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	50 mohm	0.14 %
119	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	50 ohm	0.06 %
120	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	500 µohm	0.16 %
121	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	500 mohm	0.14 %
122	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Low Resistance Standards by Direct Method	500 ohm	0.06 %
123	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude DC Signal	Using Multi Product Calibrator with Scope Option by Direct Method	1 mV to 110 mV	3.15 % to 0.6 %

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124	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude DC Signal	Using Multi Product Calibrator with Scope Option by Direct Method	110 mV to 2.2 V	0.6 % to 0.29 %
125	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude DC Signal	Using Multi Product Calibrator with Scope Option by Direct Method	2.2 V to 90 V	0.29 %
126	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Scope Amplitude (AC Signal) @ 1 kHz	Using Multi Product Calibrator with Scope Option by Direct Method	1 mV to 110 mV	3.4 % to 0.22 %
127	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Scope Amplitude (AC Signal) @ 1 kHz	Using Multi Product Calibrator with Scope Option by Direct Method	2.2 V to 90 V	0.22 % to 0.12 %
128	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Scope Amplitude @ 1 kHz (AC signal)	Using Multi Product Calibrator with Scope Option by Direct method	110 mV to 2.2 V	0.22 %
129	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Scope Bandwidth	Using Multi Product Calibrator with Scope Option by Direct Method	50 kHz to 1 GHz	3.5 % to 6.56 %
130	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Scope Time Base (Time Marker)	Using Multi Product Calibrator with Scope Option by Direct Method	1 ns to 50 ms	0.07 % to 0.02 %

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131	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Scope Time Base (Time Marker)	Using Multi Product Calibrator with Scope Option by Direct Method	50 ms to 5 s	0.02 % to 0.6 %
132	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B Type Thermocouple	Using Multi Product Calibrator by Direct Method	600 °C to 1800 °C	0.35 °C
133	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	C Type Thermocouple	Using Multi Product Calibrator by Direct Method	100 °C to 2300 °C	0.66 °C
134	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 250 °C to 1000 °C	0.4 °C
135	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 210 °C to 1200 °C	0.22 °C
136	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1370 °C	0.32 °C
137	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	L Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 900 °C	0.29 °C

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138	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.32 °C
139	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R Type Thermocouple	Using Multi Product Calibrator by Direct Method	100 °C to 1760 °C	0.45 °C
140	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD PT 100	Using 6½ Digital Multimeter by Direct Method	(-) 200 °C to 800 °C	0.18 °C
141	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD PT 1000	Using 6½ Digital Multimeter by Direct Method	(-) 200 °C to 800 °C	0.18 °C
142	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S Type Thermocouple	Using Multi Product Calibrator by Direct Method	100 °C to 1760 °C	0.16 °C
143	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 250 °C to 400 °C	0.5 °C
144	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	U Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 600 °C	0.44 °C

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145	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using Multi Product Calibrator by Direct Method	600 °C to 1800 °C	0.36 °C
146	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	C Type Thermocouple	Using Multi Product Calibrator by Direct Method	100 °C to 2300 °C	0.66 °C
147	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 250 °C to 1000 °C	0.4 °C
148	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 210 °C to 1200 °C	0.22 °C
149	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1350 °C	0.32 °C
150	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	L Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 900 °C	0.32 °C
151	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.32 °C

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152	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using Multi Product Calibrator by Direct Method	100 °C to 1750 °C	0.45 °C
153	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD PT 100	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 800 °C	0.18 °C
154	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD PT 1000	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 630 °C	0.18 °C
155	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using Multi Product Calibrator by Direct Method	100 °C to 1750 °C	0.16 °C
156	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 250 °C to 400 °C	0.5 °C
157	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	U Type Thermocouple	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 600 °C	0.46 °C
158	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct method	1 GHz to 3 GHz	0.00015 % to 0.00013 %

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159	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct method	1 Hz to 1 GHz	0.00016 % to 0.00015 %
160	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Totalizer Comparison Method	1 s to 3600 s	0.06 s to 2.1 s
161	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Totalizer Comparison Method	18000 s to 86400 s	10.43 s to 49.9 s
162	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Totalizer Comparison Method	3600 s to 18000 s	2.1 s to 10.43 s
163	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	1 Hz to 2 MHz	0.0006 % to 0.0002 %
164	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	2 MHz to 1 GHz	0.0002 %

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165	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air / Gas) Rotameter, Dry Gas Meter, PM2.5 Sampler, Stack sampler, Vortex Flow Meter, Thermal Mass Flow Meter, Analog / Digital Flow Meter	Using Flow Control Unit and Gas Flow Meter by Comparison Method as per ASTM D 3195, ASME MFC - 21.2 / ASTM D 5337 - 04	0.15 lpm to 300 lpm	1.27 %
166	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air / Gas) - Rotameter, Vortex Flow Meter, Thermal Mass Flow Meter, Analog / Digital Flow Meter	Using Flow Control Unit and Mass Flow Meter by Comparison Method	1 ml/min to 1000 ml/min	1.49 %
167	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air) - of Respirable Dust Sampler and PM10 Sampler	Using Flow Control Unit and Top Loading Orifice Calibrator by Comparison Method	0.3 m^3/min to 1.7 m^3/min	1.66 %
168	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Air) - Top Loading Calibrator	Using Flow Control Unit and Top Loading Orifice Calibrator by Comparison Method	600 lpm to 1400 lpm	1.72 %
169	FLUID FLOW-FLOW MEASURING DEVICES	Volume Flow Rate (Water) - Magnetic Flow Meter, Vortex Flow Meter, Electronic Flow Meter, Clamp on Ultrasonic Flow Meter, Rotameter, Analog / Digital Flow Meter	Using Ultrasonic Flow Meter with Multiple Clamp on Sensors by Comparison Method	10 lpm to 13500 lpm	1.66 %

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170	MECHANICAL-ACCELERATION AND SPEED	Accelerometer / Vibration Meter / Vibration Sensor / Portable Vibration Calibrator / DAQ Module with Sensor Acceleration Peak @ 10 kHz to 15 kHz	Using Dynamic Signal Analyzer & Accelerometer PCB by Comparison Method as per ISO 16063 - 21	0.1 g to 40 g	2.8 %
171	MECHANICAL-ACCELERATION AND SPEED	Accelerometer / Vibration Meter / Vibration Sensor / Portable Vibration Calibrator / DAQ Module with Sensor Acceleration Peak @ 3 Hz to 2000 Hz	Using Dynamic Signal Analyzer & Accelerometer PCB by Comparison Method as per ISO 16063 - 21	0.1 g to 40 g	1.5 %
172	MECHANICAL-ACCELERATION AND SPEED	Bump Test Machine - Half Sine Wave Pulse (3 ms to 30 ms)	Using Dynamic Signal Analyzer & Accelerometer PCB by Comparison Method as per ISO 16063 - 22	3 g to 200 g	3 %
173	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM of Rotating Devices	Using Digital Tachometer by Comparison Method	10 rpm to 100 rpm	5.4 %
174	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM of Rotating Devices	Using Digital Tachometer by Comparison Method	100 rpm to 15000 rpm	0.8 %
175	MECHANICAL-ACCELERATION AND SPEED	Shock Test Machine - Pulse Width (1 ms to 30 ms)	Using Dynamic Signal Analyzer & Accelerometer PCB by Comparison Method as per ISO 16063 - 22	3 g to 500 g	3 %

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176	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact)	Using Digital Tachometer with Motorized Tachometer Calibrator by Comparison Method	10 rpm to 100 rpm	5.7 %
177	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact)	Using Digital Tachometer with Motorized Tachometer Calibrator by Comparison Method	100 rpm to 7800 rpm	1 %
178	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non Contact)	Using Digital Tachometer with Motorized Tachometer Calibrator by Comparison Method	10 rpm to 100 rpm	5.42 %
179	MECHANICAL-ACCELERATION AND SPEED	Tachometer / Stroboscope (Non Contact)	Using Digital Tachometer with Motorized Tachometer Calibrator by Comparison Method	100 rpm to 90000 rpm	0.8 %
180	MECHANICAL-ACCELERATION AND SPEED	Vibration Machine / Vibration Shaker - Acceleration Peak @ 5 Hz to 3000 Hz	Using Dynamic Signal Analyzer & Accelerometer PCB by Comparison Method as per ISO 16063 - 21	0.1 g to 80 g	2.6 %
181	MECHANICAL-ACCELERATION AND SPEED	Vibration Machine / Vibration Shaker - Displacement @ 5 Hz to 2000 Hz	Using Dynamic Signal Analyzer & Accelerometer PCB by Comparison Method as per ISO 16063 - 21	0.01 mm to 51 mm	3.8 %

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182	MECHANICAL-ACCELERATION AND SPEED	Vibration Machine / Vibration Shaker - Velocity @ 5 Hz to 2000 Hz	Using Dynamic Signal Analyzer & Accelerometer PCB by Comparison Method as per ISO 16063 - 21	1 mm/s to 1800 mm/s	3.7 %
183	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Mould - Cube / Rectangular / Cylindrical Type	Using Digital Caliper by Comparison Method	Up to 300 mm	15.02 µm
184	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate	Using Precision Level by Comparison Method	Up to 3000 mm x 3000 mm	2 x sqrt((W+L)/100) µm, where L & W in mm
185	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Roughness Tester - Ra Values (3 Values)	Using Surface Roughness Specimen & Depth Master by Comparison Method	Up to 3.2 µm	8.9 %
186	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	2D Electronic Height Gauge - Linear (L.C.: 0.0001 mm	Using Caliper Checker, Gauge Block Set and Surface Plate by Comparison Method	0 to 600 mm	8 µm
187	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	2D Electronic Height Gauge - Squareness (L.C.: 0.0001 mm)	Using Electronic Comparator, Surface Plate & Granite Square by Comparison Method	0 to 1000 mm	8.71 µm

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188	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Coordinate Measuring Machine - Linear X, Y, Z & Volumetric (LC: 0.0001 mm)	Using Test Sphere, Long Slip Gauge Block and Tilting Table by Comparison Method	Up to (1000 x 1200 x 600) mm	1.3+L/160 µm, where L in mm
189	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Coordinate Measuring Machine - Probing Error, (L.C.: 0.1 µm)	Using Test Sphere, Long Slip Gauge Block by Comparison Method	0 to 30 mm	1.3 µm
190	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	LVDT Probe with DRO (L.C.: 0.1 µm)	Using Precision Digital Length Measuring Instruments by Comparison Method	Up to 25 mm	1.4 µm
191	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector / Video Measuring System / Microscope - Angular (L.C.: 01")	Using Precision Glass Graticule by Comparison Method	0° to 360°	5.1 minutes of Arc
192	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector / Video measuring System / Microscope - Linear (L.C.: 0.1 µm)	Using Precision Glass Scale and Gauge Blocks by Comparison Method	Up to 400 x 350 mm	3.6 µm
193	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector / Video Measuring System / Microscope - Magnification	Using Gauge Blocks and Digital Vernier Caliper by Comparison Method	1 X to 100 X	0.46 %
194	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Scale & Tape Calibrator (L.C.: 0.1 µm)	Using Gauge blocks and Long Gauge Blocks by Comparison Method	Up to 1000 mm	4.42 µm
195	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Universal Length Measuring Machine (L.C.: 0.0001 mm)	Using Slip Gauge Blocks by Comparison Method	100 mm to 600 mm	2.49 µm

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196	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Universal Length Measuring Machine (L.C.: 0.1 µm)	Using Long Gauge Blocks by Comparison Method	0 to 100 mm	0.76 µm
197	MECHANICAL-PRESSURE INDICATING DEVICES	Barometer(Analog / Dial / Digital), Barometric Transmitter / Switch	Using Precision Absolute Pressure Gauge, Barometric Chamber, Pneumatic Vacuum & Pressure Pump & Digital 6.5 Multimeter by Comparison Method as per DKD R 6 - 1	15 mbar abs to 2000 mbar abs	1.6 mbar abs
198	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure - Pressure Gauge (Digital / Dial), Pressure Indicator, Pressure Calibrator, Pressure Controller, Pressure Transmitter, Pressure Transducer, Pressure Switch, Pressure Recorder	Using Precision Pressure Pressure Indicator with Hydraulic Pump & Digital Multimeter by Comparison Method as per DKD R 6 - 1	0 to 1000 bar	0.2 bar
199	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Pressure Gauge (Digital / Analog), Pressure Transducer / Pressure Sensor / Pressure Transmitter / Pressure Switch / Pressure Indicator / Pressure Calibrator /Pressure Controller, Magnehelic Gauge, Differential Pressure Gauge	Using Precision Pressure Calibrator & Digital Multimeter by Comparison Method as per DKD R 6 - 1	(-) 500 mbar to (+) 500 mbar	0.34 mbar

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200	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Pressure Gauge (Digital / Dial) Pressure Transducer / Sensor / Transmitter / Switch / Indicators	Using Precision Pressure Calibrator & Digital Multimeter by Comparison Method as per DKD R 6 - 1	0 to 19600 pa	20 pa
201	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Pressure Gauge (Digital / Dial), Pressure Indicator, Pressure Calibrator, Pressure Controller, Pressure Transmitter, Pressure Transducer	Using Digital Precision Pressure Calibrator & Indicator with Pneumatic Pump & Digital Multimeter by Comparison Method as per DKD R 6 - 1	0 to 35 bar	0.012 bar
202	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Pressure Gauge (Digital / Dial), Pressure Indicator, Pressure Calibrator, Pressure Controller, Manometer, Differential Pressure Gauge Pressure Transmitter, Pressure Transducer	Using Digital precision Pressure Calibrator & Indicator with Pneumatic Pump & Digital Multimeter by Comparison Method as per DKD R 6 - 1	0.1 bar to 2 bar	0.0009 bar
203	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Vacuum Gauge, Vacuum Indicator, Vacuum Calibrator, Vacuum Controller, Vacuum Transmitter, Vacuum Transducer, Vacuum Switch, Vacuum Recorder	Using Digital Precision Pressure Indicator with Pneumatic Pump & Digital Multimeter by Comparison Method as per DKD R 6 - 1	(-) 0.9 bar to 0	0.001 bar

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204	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Compression Testing Machine (Compression Mode)	Using Load Cell with Digital Indicator by Direct Method as per IS 1828 : 2022 (Part - I), ISO 7500 - 1 : 2018	100 kN to 3000 kN	0.6 %
205	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Universal Testing Machine, CBR Apparatus, Spring Testing Machine, Direct Shear, Marshall Test Apparatus, Flexural Testing Machine (Compression Mode)	Using Load Cell with Digital Indicator by Direct Method as per the IS 1828 : 2022 (Part - I), ISO 7500 - 1 : 2018	5 N to 200 kN	0.32 %
206	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Universal Testing Machine, Spring Testing Machine, Direct Shear, Marshall Test Apparatus, Flexural Testing Machine (Compression and Tension Mode)	Using Load Cell with Digital Indicator by Direct Method by Direct Method as per the IS 1828 : 2022 Part - 1, ISO 7500 - 1 : 2018	5 N to 50 kN	0.62 %
207	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Universal Testing Machine, Spring Testing Machine, Flexural Testing Machine (Compression Mode)	Using Load Cell with Digital indicator by Direct Method as per the IS 1828 : 2022 (Part - I), ISO 7500 - 1 : 2018	200 kN to 2000 kN	0.52 %
208	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Displacement Measuring System and Device	Using Precision Height Gauge by Direct Method as per ASTM E 2309 :2020	0 to 1000 mm	0.014 mm

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209	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Speed for Material Testing Machine	Using Precision height gauge, Length Measuring Instruments & Electronic Stopwatch as per ASTM E 2658: Year 2023	Up to 1000 mm/min	0.56 mm/min
210	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Accuracy Class - III, Readability: 0.01 kg	Using F1 and M1 Class Reference Standard Weights by Direct Method as per OIML R- 76	> 300 kg to 500 kg	33 g
211	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Accuracy Class - III, Readability: 0.1 kg	Using M1 Class Standard Weights by Direct Method as per OIML R-76	> 300 kg to 1000 kg	73 g
212	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Accuracy Class - III, Readability: 100 g & Coarser	Using F1 and M1 Class Weights by Direct Method as per OIML R-76	> 1000 kg to 2000 kg	200 g
213	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Non Automatic Weighing Balance / Comparator, Accuracy Class - I, Readability: 0.001 mg & Coarser	Using E1 Class Standard Weights by Direct Method as per OIML R-76	1 mg to 21 g	0.007 mg
214	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Non Automatic Weighing Balance / Comparator, Accuracy Class - I, Readability: 0.01 mg & Coarser	Using E1 Class Standard Weights by Direct Method as per OIML R-76	> 21 g to 220 g	0.049 mg

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215	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Non Automatic Weighing Balance / Comparator, Accuracy Class - II, Readability: 0.001 g & Coarser	Using Standard weights E1 Class by Comparison Method as per OIML R-76	> 220 g to 3 kg	6.9 mg
216	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Non Automatic Weighing Balance / Comparator, Accuracy Class - II, Readability: 0.01g & Coarser	Using E1 and E2 Class Reference Standard Weights by Direct Method as per OIML R - 76	> 5 kg to 25 kg	15 mg
217	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Non Automatic Weighing Balance / Comparator, Accuracy Class - II, Readability: 0.1 g & Coarser	Using E2 Class Standard Weights by Direct Method as per OIML R-76	> 25 kg to 60 kg	0.18 g
218	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance, Non Automatic Weighing Balance / Comparator, Accuracy Class - II, Readability: 10 mg & Coarser	Using E1 Class Standard Weights by Direct Method as per OIML R- 76	0.01 g to 5 kg	6.87 mg
219	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance, Accuracy Class - I, Readability: 0.001 mg & Coarser	Using Standard Weights E1 Class by Direct Method as per OIML R-76	0 to 5 g	0.004 mg
220	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Meter (Dial / Digital)	Using Temperature & Humidity Meter with Humidity Chamber by Comparison Method	10 % rh to 95 % rh @ (10 °C to 60 °C)	1.74 % rh

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221	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Meter (Dial / Digital)	Using Temperature & Humidity Meter with Temperature & Humidity chamber by Comparison Method	10 % rh to 95 % rh @ (20 °C to 60 °C)	1.82 % rh
222	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Transmitter / Digital Humidity Meter / Temperature Data Logger (Internal and External Sensor)	Using Temperature and RH Indicator with Sensor with Temperature & Humidity Chamber and Digital Multimeter by Comparison Method	10 °C to 60 °C @ (20 % rh to 95 % rh)	0.34 °C
223	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Humidity Chamber, Climatic Chamber, Altitude Chamber, Salt Spray Chamber - Single Position Calibration	Using Temperature & Humidity Meter by Comparison Method	15 % rh to 95 % rh @ (20 °C to 60 °C)	1.74 % rh
224	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Humidity Chamber, Climatic Chamber, Salt Spray Chamber - Single Position Calibration	Using Temperature & Humidity Meter by Comparison Method	10 °C to 60 °C @ (10 % rh to 95 % rh)	0.34 °C
225	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Salt Spray Chamber Hot & Cold Chamber, Humidity Chamber - Single Position Calibration	Using Temperature and RH Indicator with Sensor by Comparison Method	15 % rh to 95 % rh @ (20 °C to 60 °C)	1.74 % rh

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226	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Salt spray Chamber, Hot & Cold Chamber, Humidity Chamber - Single Position Calibration	Using Temperature and RH Indicator with Sensor by Comparison Method	10 °C to 60 °C @ (45 % rh to 95 % rh)	0.32 °C
227	THERMAL-SPECIFIC HEAT & HUMIDITY	Thermo Hygrometer, Humidity Meter / Indicator, Data Logger (Internal and External Sensor) / Controller, Humidity Transmitter	Using Temperature and RH Indicator with Sensor with & RH Chamber and DMM by Comparison Method	10 % rh to 95 % rh @ 25 °C	1.52 % rh
228	THERMAL-SPECIFIC HEAT & HUMIDITY	Thermo Hygrometer, Humidity Meter / Indicator, Data Logger (Internal and External Sensor) / Controller, Humidity Transmitter	Using Temperature and RH Indicator with Sensor with & RH Chamber and DMM by Comparison Method	10 °C to 60 °C @ 50 % rh	0.32 °C
229	THERMAL-TEMPERATURE	Furnace, Temperature Enclosure, Temperature Bath - Multi Position Calibration	Using Data Logger with N Type Thermocouple Sensors (minimum 9 sensor) by Comparison Method	400 °C to 1200 °C	3.32 °C
230	THERMAL-TEMPERATURE	Oven, Incubator, Cold Room, Freezer, Refrigerator, Chiller - Multi Position Calibration	Using Data Logger with RTD Sensors (minimum 9 sensor) by Comparison Method	(-) 80 °C to 400 °C	0.82 °C

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231	THERMAL-TEMPERATURE	RTD / Thermocouple Sensor with / without Indicator, Temperature Transmitter, Data Logger with Sensor, Probe Thermometer, Bimetal Thermometer, Recorder, Temperature Switch, Temperature Gauge, Digital Thermometer	Using SPRT Sensor with Indicator, 6½ Digital Multimeter with Liquid Bath by Comparison Method	(-) 80 °C to 100 °C	0.19 °C
232	THERMAL-TEMPERATURE	RTD / Thermocouple with / without Indicator, Temperature Transmitter, Thermometer., Data Logger with Sensor, Probe / Bimetal Thermometer, Recorders, Temperature Switch, Temperature Gauge, Digital Thermometer	Using SPRT with Precision Indicator, Digital Multimeter and Dry bath by Comparison Method	30 °C to 650 °C	0.19 °C
233	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Cold Room, Freezer - Single Position Calibration	Using Standard SPRT with 6½ Digital Multimeter by Comparison Method	(-) 80 °C to 80 °C	0.17 °C

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234	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Furnace, Dry Block Bath and Temperature Bath - Single Position Calibration	Using Standard S Type Thermocouple with 6½ Digital Multimeter by Comparison Method	100 °C to 1200 °C	1.8 °C
235	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Oven, Incubator (Non Medical Purpose Only), Salt Spray Chamber, Liquid Bath, Cryostat Bath, Oil Bath, Temperature Bath, Oven, Dry Block Calibrator - Single Position Calibration	Using Standard SPRT with 6½ Digital Multimeter by Comparison Method	(-) 80 °C to 300 °C	0.17 °C
236	THERMAL-TEMPERATURE	Thermocouple with / without Indicator, Temperature Transmitter, Data Logger with Sensor, Digital Thermometer	Using S - Type Thermocouple with Indicator, Digital Multimeter with Dry bath by Comparison Method	600 °C to 1200 °C	2.09 °C

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