



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE, NO.48, 1ST FLOOR,1ST MAIN, 2ND BLOCK,3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA

**Laboratory Name :**

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

CC-2467

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**Validity**

06/12/2022 to 05/12/2024

**Last Amended on**

31/03/2023

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 @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	1 A to 10 A	0.162 % to 0.243 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter By Direct Method	1 mA to 10 mA	0.162 % to 0.243 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	0.243 % to 0.162 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter By Direct Method	100 µA to 1 mA	0.243 % to 0.162 %



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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mA to 1 A	0.162 % to 0.162 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	1 mA to 10 mA	0.394 % to 0.474 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	0.474 % to 0.394 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	1 mA to 10 mA	0.520 % to 1.213 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	1.213 % to 0.520 %



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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	100 µA to 1 mA	1.213 % to 0.520 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mA to 1 A	0.520 % to 1.212 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz	Using 6½ Digital Multimeter, By Direct Method	1 A to 10 A	0.164 % to 0.246 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50Hz	Using AC shunt with 6½ Digital multimeter by Direct Method	10 A to 1000 A	1.27 % to 1.27 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High Voltage Probe with digital multimeter, By Direct Method	1 kV to 28 kV	3.80 % to 3.69 %





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15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.10 % to 0.10 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.10 % to 0.10 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.23 % to 0.10 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	100 V to 1000 V	0.10 % to 0.07 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	1 mV to 100 mV	3.49 % to 0.45 %



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20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.440 % to 0.439 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.45 % to 0.45 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.78 % to 0.79 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.79 % to 0.79 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.78 % to 0.78 %



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25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.78 % to 0.79 %
26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.79 % to 0.79 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.78 % to 0.78 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 300 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	5.18 % to 5.2 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz	Using 6½ Digital Multimeter, By Direct Method	100 V to 1000 V	0.105 % to 0.073 %





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30	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter, By Direct Method,	1 $\mu$ F to 100 $\mu$ F	0.24 % to 0.55 %
31	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter, By Direct Method	1 nF to 1 $\mu$ F	0.24 % to 0.24 %
32	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using LCR Meter , By Direct Method	100 $\mu$ H to 100 mH	0.34 % to 0.25 %
33	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using LCR Meter ,By Direct Method	100 mH to 10 H	0.25 % to 0.39 %
34	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.249 % to 0.235 %



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35	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.235 % to 0.232 %
36	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.232 % to 0.249 %
37	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.232 % to 0.220 %
38	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.612 % to 0.266 %
39	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.266 % to 0.347 %
40	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.925 % to 0.612 %





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41	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.347 % to 3.464 %
42	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	30 $\mu$ A to 100 $\mu$ A	0.925 % to 0.925 %
43	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.070 % to 0.139 %
44	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.134 % to 0.070 %
45	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.139 % to 0.203 %
46	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.070 % to 0.070 %



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47	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.146 % to 0.134 %
48	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.070 % to 0.070 %
49	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	30 µA to 100 µA	0.151 % to 0.146 %
50	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 100 mA	1.226 % to 0.694 %
51	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.510 % to 0.694 %
52	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	1.847 % to 1.226 %



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53	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	30 $\mu$ A to 100 $\mu$ A	1.849 % to 1.847 %
54	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.220 % to 0.093 %
55	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.162 % to 0.129 %
56	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.093 % to 0.168 %
57	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.129 % to 0.129 %
58	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 $\mu$ A to 1 mA	0.174 % to 0.162 %





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59	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.129 % to 0.220 %
60	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.808 % to 3.488 %
61	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.254 % to 0.117 %
62	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator, By Direct Method	10 A to 20 A	3.488 % to 3.494 %
63	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.117 % to 0.175 %
64	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.347 % to 0.254 %



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65	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.175 % to 0.808 %
66	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 65 Hz	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.093 % to 0.168 %
67	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multiproduct Calibrator , with Current coil, By Direct Method	20 A to 1000 A	0.93%
68	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power , 1 Phase , @ 50Hz 0.5 PF (120 V to 240 V 0.1 A to 20 A)	Using Multiproduct Calibrator , By Direct Method	6 W to 2.4 kW	0.36 % to 0.39 %
69	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power, 1 Phase , @50 Hz 0.8 PF lead (120V- 240V, 0.1A- 20 A)	Using Multiproduct Calibrator , By Direct Method	9.6 W to 3.84 kW	0.17 % to 0.23 %
70	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power, 1 Phase , @50 Hz UPF(120V- 240V, 0.01A- 20 A, 50 Hz)	Using Multiproduct Calibrator , By Direct Method	1.2 W to 4.8 kW	0.11 % to 0.18 %



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71	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power, 1 Phase , @50Hz 0.2 PF(120V-240V, 0.1A- 20 A, 50 Hz)	Using Multiproduct Calibrator , By Direct Method	2.4 W to 960 W	0.99 % to 1.00 %
72	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator, By Direct Method	1 V to 10 V	0.025 % to 0.025 %
73	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.091 % to 0.027 %
74	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.025 % to 0.031 %
75	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.027 % to 0.025 %
76	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.031 % to 0.301 %





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77	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.042 % to 0.044 %
78	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.165 % to 0.046 %
79	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.046 % to 0.042 %
80	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	1 mV to 10 mV	0.715 % to 0.091 %
81	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.025 % to 0.025 %
82	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.091 % to 0.027 %



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83	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.025 % to 0.031 %
84	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.027 % to 0.025 %
85	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.545 % to 0.131 %
86	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz	Using Multiproduct Calibrator, By Direct Method	10 V to 100 V	0.119 % to 0.300 %
87	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.131 % to 0.096 %
88	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.029 % to 0.036 %



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89	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.096 % to 0.029 %
90	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.036 % to 0.037 %
91	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.029 % to 0.029 %
92	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 mV to 10 mV	0.791 % to 0.164 %
93	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.041 % to 0.043 %
94	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.164 % to 0.045 %





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95	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.043 % to 0.026 %
96	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.045 % to 0.041 %
97	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.026 % to 0.359 %
98	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 450 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	1.508 % to 0.321 %
99	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.041 % to 0.049 %
100	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.187 % to 0.051 %



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101	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.049 % to 0.049 %
102	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.051 % to 0.041 %
103	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 90 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.096 % to 0.119 %
104	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 450 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.321 % to 0.358 %
105	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.031 % to 0.302 %
106	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.031 % to 0.036 %



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107	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	0.4 nF to 1 nF	3.50 % to 1.74 %
108	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	1 nF to 10 nF	1.74 % to 0.42 %
109	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator, By Direct Method	10 nF to 100 nF	0.42 % to 0.42 %
110	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator , By Direct Method	1 µF to 10 µF	0.41 % to 0.42 %
111	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator , By Direct Method	1 mF to 110 mF	0.91 % to 1.38 %
112	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator , By Direct Method	10 µF to 100 µF	0.42 % to 0.65 %





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113	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1k Hz	Using Multiproduct Calibrator , By Direct Method	100 µF to 220 pF	0.65 % to 0.58 %
114	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1kHz	Using Decade Inductance Box by Direct Method	1 H to 10 H	1.29 % to 1.16 %
115	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1kHz	Using Decade Inductance Box by Direct Method	100 µH to 1 H	1.20 % to 1.29 %
116	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multiproduct Calibrator, By Direct Method	0.2 Lag pf to 1 pf	0.002pf
117	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multiproduct Calibrator , By Direct Method	1 pf to 0.2 Lead pf	0.002pf
118	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	1 µA to 100 µA	0.25% % to 0.088% %



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119	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	1 A to 10 A	0.082 % to 0.183 %
120	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	1 mA to 10 mA	0.006 % to 0.082 %
121	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter with Shunt, By Direct Method	10 A to 20 A	0.74 % to 0.62 %
122	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	0.082 % to 0.064 %
123	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	100 µA to 1 mA	0.087 % to 0.006 %
124	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	100 mA to 1 A	0.082 % to 0.082 %



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125	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Current	Using Shunt with 6½ Digital Multimeter, By Direct Method	10 A to 200 A	0.70 % to 0.75 %
126	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe and digital Multimeter with HV tester By Direct Method	0.5 kV to 40 kV	3.05 % to 3.05 %
127	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	1 mV to 100 mV	0.06 % to 0.0087 %
128	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.0037 % to 0.0034 %
129	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	10 µV to 1 mV	5.66 % to 0.06 %
130	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.0034 % to 0.005 %





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131	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital multimeter, By Direct Method	100 mV to 1 V	0.0087 % to 0.0037 %
132	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	100 V to 1000 V	0.005 % to 0.006 %
133	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	1 kohm to 10 kohm	0.01 % to 0.01 %
134	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	1 Mohm to 10 Mohm	0.01 % to 0.05 %
135	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter By Direct Method	1 Ohm to 10 ohm	0.06 % to 0.05 %
136	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	10 kohm to 100 kohm	0.02 % to 0.01 %



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137	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	10 Ohm to 100 Ohm	0.05 % to 0.02 %
138	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	100 kohm to 1 Mohm	0.01 % to 0.01 %
139	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	100 Mohm to 1 Gohm	0.94 % to 2.35 %
140	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6.5 digit Multimeter, By Direct Method	100 mohm to 1 ohm	0.58 % to 0.05 %
141	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 6½ Digital Multimeter, By Direct Method	10 Mohm to 100 Mohm	0.05 % to 0.94 %
142	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance(2 wire)	Using 6½ Digital Multimeter, By Direct Method	100 Ohm to 1 kohm	0.02 % to 0.01 %



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143	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.028 % to 0.064 %
144	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.017 % to 0.015 %
145	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	10 $\mu$ A to 190 $\mu$ A	0.255 % to 0.041 %
146	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.064 % to 0.120 %
147	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.015 % to 0.015 %
148	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.015 % to 0.028 %





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149	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	190 $\mu$ A to 1 mA	0.041 % to 0.017 %
150	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator with 50 turn coil, By Direct Method	20 A to 1000 A	0.43 % to 0.34 %
151	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power(10V to 1000V, 10mA to 20 A)	Using Multiproduct Calibrator , By Direct Method	100 mW to 20 kW	0.10 % to 0.66 %
152	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power, 10mV, 10mA	Using Multiproduct Calibrator , By Direct Method	10 mW to 1 W	0.025 % to 0.07 %
153	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	1 mV to 100 mV	0.13 % to 0.0036 %
154	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.0016 % to 0.0016 %



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155	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.0016 % to 0.0024 %
156	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.0024 % to 0.0023 %
157	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	330 mV to 1 V	0.0036 % to 0.0016 %
158	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	1 Mohm to 10 Mohm	0.0054 % to 0.018 %
159	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using milliohm Resistance box by Direct Method	1 mohm to 100 mohm	0.12 % to 0.12 %
160	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	10 kohm to 100 kohm	0.0056 % to 0.0044 %



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161	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	10 Mohm to 100 Mohm	0.0018 % to 0.063 %
162	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	10 ohm to 100 ohm	0.12 % to 0.02 %
163	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	100 kohm to 1 Mohm	0.0044 % to 0.0054 %
164	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	100 ohm to 1 kohm	0.02 % to 0.0056 %
165	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multiproduct Calibrator , By Direct Method	1 ohm to 10 ohm	1.159 % to 0.12 %
166	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multiproduct Calibrator , By Direct Method	100 Mohm to 1 Gohm	0.0063 % to 1.79 %





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167	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance(2 wire)	Using Multiproduct Calibrator , By Direct Method	1 kohm to 10 kohm	0.0056 % to 0.0056 %
168	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude AC Signal, Amplitude	Using Multiproduct Calibrator , By Direct Method	1 mV to 130 V	4.82 % to 0.078 %
169	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude DC Signal, Amplitude	Using Multiproduct Calibrator , By Direct Method	1 mV to 130 V	4.98 % to 0.076 %
170	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Bandwidth	Using Multiproduct Calibrator , By Direct Method	50 kHz to 1 GHz	2.78 % to 6.08 %
171	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Time Marker	Using Multiproduct Calibrator , By Direct Method	2 ns to 5 s	0.029 % to 0.58 %
172	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - B Type T/C	Using 61/2 Digital Multimeter, By Direct Method	600 °C to 1820 °C	0.47°C



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173	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - E Type T/C	Using 6 $\frac{1}{2}$ Digital Multimeter, By Direct Method	-250 °C to 1000 °C	0.16°C
174	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - J Type T/C	Using 6 $\frac{1}{2}$ Digital Multimeter By Direct Method	-200 °C to 1200 °C	0.22°C
175	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - K Type T/C	Using 6 $\frac{1}{2}$ Digital Multimeter, By Direct Method	-200 °C to 1350 °C	0.28°C
176	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - L Type T/C	Using 6 $\frac{1}{2}$ Digital Multimeter, By Direct Method	-200 °C to 900 °C	0.19°C
177	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - N Type T/C	Using 6 $\frac{1}{2}$ Digital Multimeter, By Direct Method	-200 °C to 1300 °C	0.42°C
178	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - R Type T/C	Using 6 $\frac{1}{2}$ Digital Multimeter, By Direct Method	50 °C to 1760 °C	0.59°C



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179	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - RTD	Using 6½ Digital Multimeter, By Direct Method	-200 °C to 800 °C	0.19°C
180	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - S Type T/C	Using 6½ Digital Multimeter, By Direct Method	50 °C to 1760 °C	0.69°C
181	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - T Type T/C	Using 6½ Digital Multimeter, By Direct Method	-200 °C to 400 °C	0.25°C
182	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - U Type T/C	Using 6½ Digital Multimeter, By Direct Method	-200 °C to 600 °C	0.25°C
183	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - B Type T/C	Using Multiproduct Calibrator, By Direct Method	600 °C to 1820 °C	0.2°C
184	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - E Type T/C	Using Multiproduct Calibrator , By Direct Method	-250 °C to 1000 °C	0.041°C





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185	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - J Type T/C	Using Multiproduct Calibrator , By Direct Method	-200 °C to 1200 °C	0.052°C
186	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - K Type T/C	Using Multiproduct Calibrator , By Direct Method	-200 °C to 1350 °C	0.072°C
187	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - L Type T/C	Using Multiproduct Calibrator , By Direct Method	-200 °C to 900 °C	0.041°C
188	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - N Type T/C	Using Multiproduct Calibrator , By Direct Method	-200 °C to 1300 °C	0.066°C
189	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - R Type T/C	Using Multiproduct Calibrator , By Direct Method	50 °C to 1760 °C	0.17°C
190	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - RTD	Using Multiproduct Calibrator , By Direct Method	-200 °C to 800 °C	0.01°C



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191	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - S Type T/C	Using Multiproduct Calibrator , By Direct Method	50 °C to 1760 °C	0.18°C
192	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - T Type T/C	Using Multiproduct Calibrator , By Direct Method	-200 °C to 400 °C	0.03°C
193	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - U Type T/C	Using Multiproduct Calibrator , By Direct Method	-200 °C to 600 °C	0.064°C
194	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Frequency Counter, By Comparison Method	10 Hz to 2 MHz	0.023 % to 0.405 %
195	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time Interval Meter / Stop Watch (Digital/Analog)	Using Digital Timer 1/1000 sec by Comparison Method	1 Sec to 60 Sec	0.16 Sec to 0.16 Sec
196	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time Interval Meter / Stop Watch (Digital/Analog)	Using Digital Timer 1/1000 sec by Comparison Method	3600 Sec to 9000 Sec	2.96 Sec to 7.35 Sec



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197	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time Interval Meter / Stop Watch (Digital/Analog)	Using Digital Timer 1/1000 sec by Comparison Method	36000 Sec to 86400 Sec	29.41 Sec to 54.58 Sec
198	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time Interval Meter / Stop Watch (Digital/Analog)	Using Digital Timer 1/1000 sec by Comparison Method	60 Sec to 3600 Sec	0.16 Sec to 2.96 Sec
199	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time Interval Meter / Stop Watch (Digital/Analog)	Using Digital Timer 1/1000 sec by Comparison Method	9000 Sec to 36000 Sec	7.35 Sec to 29.41 Sec
200	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator , By Direct Method	1 Hz to 10 Hz	0.0053 % to 0.0011 %
201	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator , By Direct Method	1 kHz to 1 MHz	0.0420 % to 0.047 %
202	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator , By Direct Method	1 MHz to 1 GHz	0.047 % to 0.0023 %





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203	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator , By Direct Method	10 Hz to 1 kHz	0.0011 % to 0.0420 %
204	MECHANICAL-ACCELERATION AND SPEED	Speed (Non Contact type) Centrifuge and Rotating equipment	Using Tachometer by Direct comparison method	10 rpm to 100 rpm	2.05 rpm
205	MECHANICAL-ACCELERATION AND SPEED	Speed (Non Contact type) Centrifuge and Rotating equipment	Using Tachometer by Direct comparison method	above 100 rpm to 1000	4.60 rpm
206	MECHANICAL-ACCELERATION AND SPEED	Speed (Non Contact type) Centrifuge and Rotating equipment	Using Tachometer by Direct comparison method	above 1000 rpm to 10000 rpm	5.34 rpmrpm
207	MECHANICAL-ACCELERATION AND SPEED	Vibration tester /meter Acceleration (Frequency range:10 Hz to 300 Hz)	Using Vibration Meter, vibration source by comparison method	1 m/s <sup>2</sup> to 70 m/s <sup>2</sup>	12.90 % to 14.13 %
208	MECHANICAL-ACCELERATION AND SPEED	Vibration Tester(Vibration switch, Analyzer, meter) Displacement ( Frequency range 10 Hz to 100 Hz)	Using Vibration Meter , vibration source by Comparison method	0.1 mm to 2 mm	6.91 % to 6.33 %



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209	MECHANICAL-ACCELERATION AND SPEED	Vibration Tester(Vibration switch, Analyzer, meter) Velocity ( Frequency range: 10 Hz - 300 Hz)	Using Vibration Meter by comparison method	1 mm/s to 112 mm/s	6.91 % to 8.11 %
210	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Gauge ( Plate Type/ Industrial Gauge)	using Profile Projector by Direct method	Upto to 360 °	4.1'
211	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle plate (Squareness)	Using Granite Square, electronic probe with DRO, Surface Plate & Gauge Block by Comparison method	450X300X350 mm	8.96 µm
212	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Plate(Flatness)	Using electronic probe with DRO, Surface Plate & Gauge Block by Comparison method	450X300X350 mm	7.1 µm
213	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Plate/Box angle plate (Parallelism)	Using electronic probe with DRO, Surface Plate & Gauge Block "0" by Comparison method	450X300X350 mm	7.1µm



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214	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor(Vernier/Digital) LC:1'	Using Profile Projector By Direct Method	0 to 360° (0°-90°-0°)	4.77arc min
215	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge L.C: 0.001 mm(Dial/Digital) (Only Transmission)	Using Dial Calibration Tester by Direct method	Up to 2.0 mm	4.38µm
216	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Box angle plate Square (Squareness)	Using Granite Square, electronic probe with DRO, Surface Plate & Gauge Block "0" by Comparison method	Upto to 450 mm	8.96µm
217	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bridge Cam Gauge (Linear Scale) LC: 1mm	Using Profile Projector by direct method	Up to 10 mm	4.9µm
218	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper (Digital) LC: 0.001 mm	Using Slip Gauge Set Grade'0', Caliper Checker, Slip Gauge Accessories	0 mm to 150 mm	3.5µm





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219	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper (Vernier/Dial/Digital) LC: 0.01 mm	Using Slip Gauge Set Grade '0', Caliper Checker, Length Bar & Slip Gauge Accessories by Comparison Method	0 mm to 300 mm	7.63µm
220	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Calipers (Vernier/Dial/Digital) L.C :: 0.01 mm	Using Slip Gauge Set Grade '0', Caliper Checker, Length Bar & Slip Gauge Accessories by Comparison Method	300 mm to 600 mm	9.29µm
221	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Calipers (Vernier/Dial/Digital) L.C :: 0.01 mm	Using Slip Gauge Set Grade '0', Length Bar & Slip Gauge Accessories by Comparison Method	600 mm to 1000 mm	12.96µm
222	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge LC: 0.1 µm	Using Standard Foils by Comparison Method	0 to 2 mm	1.80µm
223	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Combination Set LC: 1°	Using profile projector by comparison method	0 ° to 180 °	6min



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224	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Caliper (Vernier/Digital/Dial) L.C.:0.01 mm	Using Slip Gauge Set Grade '0', Caliper Checker, Length Bar & Surface plate by Comparison Method	0 to 600 mm	11.72µm
225	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Caliper (Vernier/Digital/Dial) L.C.:0.01 mm	Using Slip Gauge Set Grade '0', Caliper Checker, & Slip Gauge Accessories by Comparison Method	0 to 300 mm	7.18µm
226	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer (Vernier/Dial/Digital) L.C.: 0.001 mm	Using Slip Gauge Set Grade '0', & Slip Gauge Accessories by Comparison Method	0 mm to 150 mm	6.35µm
227	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Caliper Gauge/Grove Dial/Inside Caliper Gauge L.C.:0.01 mm	Using Slip Gauge Set Grade '0', Slip Gauge Accessories by Comparison Method	10 mm to 150 mm	6.18µm
228	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Depth Gauge L.C.: 0.01 mm	Using Slip Gauge Set Grade '0' by Comparison Method	0 mm to 10 mm	5.8µm



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229	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Snap Gauge	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 100 mm	1.6 µm
230	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Elongation Gauge /Flakiness Gauge	Using profile projector by direct method	0 to 100 mm	3.38µm
231	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer Parallel/Parallel blocks	Using Dial Gauge and comparator stand	Up to 300 mm	4.8µm
232	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer/Tri Square (Flatness, & Parallelism)	Using Granite Square, electronic probe with DRO, Surface Plate & Gauge Block "0" by Comparison method	Upto to 600 mm	6.23µm
233	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer/Tri Square (Squareness)	Using Granite Square, electronic probe with DRO, Surface Plate & Gauge Block "0" by Comparison method	Upto to 600 mm	8.37µm





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234	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer(Dig Ital / Electronic) L.C.: 0.0001 mm	Using Slip Gauge Set Grade '0', by Comparison Method	0 to 25 mm	1.1µm
235	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Analog/Digital) L.C.: 0.001 mm	Using Slip Gauge Set Grade '0', Length Bar by Comparison Method	0 mm to 150 mm	1.7µm
236	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Analog/Digital) L.C.: 0.001 mm	Using Slip Gauge Set Grade '0', Length Bar by Comparison Method	150 mm to 300 mm	4.1µm
237	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Analog/Digital) L.C.: 0.001 mm	Using Slip Gauge Set Grade '0', Length Bar by Comparison Method	300 mm to 600 mm	6.54µm
238	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Analog/Digital) L.C.: 0.001 mm	Using Slip Gauge Set Grade '0', Length Bar by Comparison Method	600 mm to 1000 mm	8.69µm



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239	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Electronic probe with DRO, Comparator Stand by Direct Method	Up to 1.0 mm	2.50µm
240	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Foils	Using Electronic probe with DRO, Comparator stand by Direct Method	250 µm to 5 mm	1.51µm
241	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Foils	Using Electronic probe with DRO, Comparator stand by Direct Method	5 µm to 250 µm	1.23µm
242	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Gauge Block Accessories	Using Optical Flat, Gauge block set, Surface plate & Electronic probe by direct method	0 to 25 mm	1.11um
243	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Granite Square / Granite L Square	Using Granite Square, electronic probe with DRO, Surface Plate & Gauge Block "0" by Comparison method	Upto to 300 mm	7.40µm



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244	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Groove Micrometer LC: 0.01 mm	Using Slip gauge block set grade '0' by comparison method	0 to 100 mm	7.5µm
245	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Hegmann Gauge	Using Electronic probe with DRO by direct method	Up to 1 mm	1.23µm
246	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauges (Vernier/Digital/Dial) L.C.:0.01 mm	Using Length Bar by Comparison method	0 to 1000 mm	8.18µm
247	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauges (Vernier/Digital/Dial) L.C.:0.01 mm	Using Caliper Checker by Comparison method	0 to 600 mm	7.93µm
248	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer/Stick micrometer L.C.: 0.01 mm	Using Slip Gauge Set Grade '0', Length Bar & Slip Gauge Accessories by Comparison Method	0 mm to 600 mm	7.3µm





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249	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer/Stick micrometer L.C.: 0.01 mm	Using Slip Gauge Set Grade '0', Length Bar & Slip Gauge Accessories by Comparison Method	600 mm to 1000 mm	11.06µm
250	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type (Dial/Digital) Indicator L.C.: 0.001 mm	Using Dial Calibration Tester by Comparison Method	0 to 0.2 mm	2.48 µm
251	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type (Dial/Digital) Indicator L.C.: 0.01 mm	Using Dial Calibration Tester by Comparison Method	0 to 2 mm	6.7µm
252	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Limit Gauges - (Height,Width, OD)	Using Gauge block, surface plate, electronic probe,profile projector by comparison method	Upto to 100 mm	4.8µm
253	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	LVDT Probe with Indicator L.C: 0.0001 mm	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 100 mm	1.5 µm



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254	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring pins/Pin gauge	Using Electronic probe with DRO, Comparator stand by comparison method	0.1 mm to 25 mm	2.48µm
255	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale L.C.: 0.5 mm	Using Profile Projector By Direct Method	0 to 250 mm	288.72 µm
256	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper L.C.:0.1 mm	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 100 mm	57.8 µm
257	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pitch Gauge	Using Profile Projector By Direct Method	Up to 25 mm	4.0µm
258	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pitch Gauge	Using Profile Projector By Direct Method	Up to 75 °	3.76Arc min



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259	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pitch Micrometer For angle	Using profile projector	45 °	3.76 '
260	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pitch Micrometer LC: 0.01 mm Linear	Using Gauge Block & Profile projector by comparison method	0 to 100 mm	6.85µm
261	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	Using Gauge Block, Electronic probe with DRO By Comparison Method	0 to 100 mm	2.68µm
262	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type (Dial/Digital/Millimes s/Supramess) Indicator L.C.: 0.001 mm	Using Dial Calibration Tester by Comparison Method	0 mm to 25 mm	2.5µm
263	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type (Dial/Digital/Millimes s/Supramess) Indicator L.C.: 0.01 mm	Using Dial Calibration Tester by Comparison Method	0 mm to 25 mm	6.8µm





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264	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pnetrometer (1/10 Revolution)	Using Gauge block set by comparison method	0 to 40 mm	57.74µm
265	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge	Using Profile Projector By Direct Method	Up to 25 mm	3.1µm
266	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Setting Rod	Using Slip Gauge Set Grade '0', Length Bar & Electronic probe with DRO by Comparison Method	200 mm to 1000 mm	8.1µm
267	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Setting Rod	Using Slip Gauge Set Grade '0', Length Bar & Electronic probe with DRO by Comparison Method	25 mm to 200 mm	3.1µm
268	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge/Adjustable Snap Gauge	Using Slip Gauge Set Grade '0' by Direct Method	1 mm to 200 mm	3.6 µm



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269	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spirit Level	Using Electronic Level & Tilting Table by Direct Method	Sensitivity 0.01 mm/meter	13.0µm/meter
270	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge (Straightness)	Using surface plate & slip gauge set grade '0', Electronic probe by comparison method	Up to 1000 mm	7.68µm
271	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge (Parallelism)	Using surface plate & slip gauge set grade '0', Electronic probe by comparison method:	upto 1000mm	7.68µm
272	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	TAPER SCALE L.C.: 0.1 mm	Using Profile Projector by Comparison Method	Up to 15 mm	57.83µm
273	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Profile Projector By Direct Method	0.03 mm to 10 mm	2.64 µm



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274	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Profile Projector By Direct Method	10 mm to 30 mm	4.3 μm
275	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Digital Caliper By Direct Method	30 mm to 100 mm	2.90 μm
276	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Gauge (Dial/Digital) L.C.: 0.01 mm	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 50 mm	5.8μm
277	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ultrasonic thickness gauge LC: 0.01 mm	Using Steel gauge block set , Length Gauge Block by comparison method	0 to 200 mm	6.70μm
278	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Weld fillet gauge	Using profile projector by Direct method	Up to 50 mm	3.9μm





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279	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Width Gauge	Using Gauge Block, Electronic probe with DRO By Comparison Method	Upto to 100 mm	1.95µm
280	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Dial Calibration Tester / Micrometer Head LC:0.1 µm	Using Electronic probe with DRO by comparison method	0 to 25 mm	1.1µm
281	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Hydraulic) Pressure Gauges/ Switches/ Differential Pressure Transmitter/ Transducers with / Without Indicator	Using Digital Pressure Gauge and Calibrator using Hydraulic Comparator pump with pressure indicator, Handy Calibrator by Comparison method as per DKD-R6-1	0 to 700 bar	0.03%rdg
282	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Pneumatic) Pressure Gauges/ Switches/ Differential pressure Transmitter/ Transducers with/Without Indicator	Using Digital Pressure Gauge and Calibrator using Pneumatic Comparator pump with pressure indicator, Handy Calibrator by Comparison method as per DKD-R6-1	0 to 40 bar	0.02 %rdg



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283	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Pneumatic) # (Digital / Dial, Magnehelic Gauge, Manometer, Differential Pressure, Transmitter, Transducers)	Using Low pressure calibrator using Pneumatic Comparator pump with Comparison Method	-500 mbar to +/-500 mbar	0.08% rdg
284	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauges/ Switches/ Transmitter/ Transducers with without Indicator	Using pressure calibrator, using Pneumatic Comparator pump Handy calibrator with Comparison Method	(-)0.1 bar to (-)0.9 bar	0.723% rdg
285	MECHANICAL-TORQUE GENERATING DEVICES	Torque, Torque Wrench , Torque Driver, Type-I Class B,C,D,E Type II, Class A,B,D,E	Using Torque sensor with Indicator based on IS 16906-2018, ISO 5393:	0.1 Nm to 2 Nm	3.3%
286	MECHANICAL-TORQUE GENERATING DEVICES	Torque, Torque Wrench , Torque Driver, Type-I Class B,C,D,E Type II, Class A,B,D,E	Using Torque sensor with Indicator based on IS 16906-2018, ISO 5393	2 Nm to 20 Nm	0.59%
287	MECHANICAL-TORQUE GENERATING DEVICES	Torque, Torque Wrench , Torque Driver, Type-I Class B,C,D,E Type II, Class A,B,D,E	Using Torque sensor with Indicator based on IS 16906-2018, ISO 5393:	20 Nm to 200 Nm	0.41%



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288	MECHANICAL-TORQUE GENERATING DEVICES	Torque, Torque Wrench , Torque Driver, Type-I Class B,C,D,E Type II, Class A,B,D,E	Using Torque sensor with Indicator based on IS 16906-2018, ISO 5393:	200 Nm to 2000 Nm	0.67%
289	MECHANICAL-VOLUME	(graduated / Non graduated) Volumetric Flask, Conical Flask, Beaker	Using Weighing Balance Class III (Range: 0 to 22 kg , Readability =100mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787	10 l to 20 l	10ml
290	MECHANICAL-VOLUME	Burette / Pipettes / Pycnometer	Using Weighing Balance Class I(Range: 0 to 5.2 g, Readability =0.001 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787	0.1 ml to 1 ml	0.35µl





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291	MECHANICAL-VOLUME	Burette / Pipettes / Pycnometer	Using Weighing Balance Class I (Readability =0.01 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787	1 ml to 10 ml	0.53µl
292	MECHANICAL-VOLUME	Burette / Pipettes / Pycnometer	Using Weighing Balance Class I (Range: 0 to 250 g, Readability =0.01mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as perISO 4787	10 ml to 25 ml	0.8µl
293	MECHANICAL-VOLUME	Burette / Pipettes / Pycnometer	Using Weighing Balance Class I (Range: 0 to 250 g, Readability =0.01mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as perISO 4787	10 ml to 50 ml	1.70µl



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294	MECHANICAL-VOLUME	Burette / Pipettes / Pycnometer	Using Weighing Balance Class I (Range: 0 to 250 g, Readability =0.01mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787	50 ml to 100 ml	0.002ml
295	MECHANICAL-VOLUME	Glassware / Measuring Cylinder / Measuring Jar / Density Bottle / Beaker / Dispenser, / Volumetric apparatus	Using Weighing Balance Class II (Readability =1 mg ) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787	100 ml to 1000 ml	0.048ml



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296	MECHANICAL-VOLUME	Glassware / Measuring Cylinder / Measuring Jar / Density Bottle / Beaker / Dispenser, / Volumetric apparatus	Using Weighing Balance ClassII(Range: 0 to 3000 g, & 0 to 22 kg, Readability=1 mg, 100mg ) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as perISO 4787	2000 ml to 5000 ml	0.15ml
297	MECHANICAL-VOLUME	Glassware / Measuring Cylinder / Measuring Jar / Density Bottle / Beaker / Dispenser, / Volumetric apparatus	Using Weighing Balance Class I (Range: 0 to 250 g, Readability =0.01mg ) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as perISO 4787	50 ml to 100 ml	0.016ml





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298	MECHANICAL-VOLUME	Glassware / Measuring Cylinder / Measuring Jar / Density Bottle / Beaker / Dispenser, Volumetric apparatus	Using Weighing Balance Class I (Range: 0 to 250 g, Readability =0.01mg ) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as perISO 4787	10 ml to 50 ml	3.00µl
299	MECHANICAL-VOLUME	Glassware / Measuring Cylinder / Measuring Jar / Density Bottle / Beaker / Dispenser, / Volumetric apparatus	Using Weighing Balance Class I (Range: 0 to 250 g, Readability =0.01mg ) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as perISO 4787	1 ml to 10 ml	0.41µl



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300	MECHANICAL-VOLUME	Glassware / Measuring Cylinder / Measuring Jar / Density Bottle / Beaker / Dispenser, / Volumetric apparatus	Using Weighing Balance ClassII(Range: 0 to 3000 g, Readability=1 mg ) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as perISO 4787	1000 ml to 2000 ml	0.004ml
301	MECHANICAL-VOLUME	Glassware / Measuring Cylinder / Measuring Jar / Density Bottle / Beaker / Dispenser, / Volumetric apparatus	Using Weighing Balance Class III (Range: 0 to 22 kg, Readability =100mg ) with Distilled Water and Standard Weights & CalibrationofGlasswa re based on Gravimetric method as perISO 4787	5000 ml to 10000 ml	0.18ml
302	MECHANICAL-VOLUME	Piston Pipette / Micro Pipettes	Using Weighing Balance ClassI(Range: 0 to 5.2 g, Readability =0.001mg) with and Distilled Water as per ISO 8655-6	1 µl to 10 µl	0.05µl



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303	MECHANICAL-VOLUME	Piston Pipette / Micro Pipettes	Using Weighing Balance ClassI(Range: 0 to 5.2 g, Readability =0.001mg) with and Distilled Water as per ISO 8655-6	10 µl to 100 µl	0.34µl
304	MECHANICAL-VOLUME	Piston Pipette / Micro Pipettes	Using Weighing Balance ClassI(Range: 0 to 5.2 g, Readability =0.001mg) with and Distilled Water as per ISO 8655-6	100 µl to 1000 µl	0.37µl
305	MECHANICAL-VOLUME	Piston Pipette / Micro Pipettes	Using Weighing Balance ClassI(Range: 0 to 5.2 g, Readability =0.001mg) with and Distilled Water as per ISO 8655-6	1000 µl to 5000 µl	0.66µl
306	MECHANICAL-VOLUME	Piston Pipette / Micro Pipettes	Using Weighing Balance ClassI(Range: 0 to 5.2 g, Readability =0.001mg) with and Distilled Water as per ISO 8655-6	5000 µl to 10000 µl	1.28µl





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307	MECHANICAL-VOLUME	Volumetric Flask / Le Chatlier Flask	Using Weighing Balance (Readability =0.01 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787	1 ml to 10 ml	0.35µl
308	MECHANICAL-VOLUME	Volumetric Flask / Le Chatlier Flask	Using Weighing Balance (Readability =0.01 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787	10 ml to 50 ml	2.24µl
309	MECHANICAL-VOLUME	Volumetric Flask / Le Chatlier Flask	Using Weighing Balance (Range: 0 to 3000g, Readability =1 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787	200 ml to 500 ml	0.07ml



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310	MECHANICAL-VOLUME	Volumetric Flask / Le Chatlier Flask	Using Weighing Balance (Range: 0 to 250 g, Readability =0.01 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as perISO 4787ing Weighing Balance (Readability =0.01 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787	50 ml to 200 ml	0.01ml
311	MECHANICAL-VOLUME	Volumetric Flask / Le Chatlier Flask	Using Weighing Balance (Range: 0 to 3000 g, Readability =1 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as perISO 4787	500 ml to 1000 ml	0.4ml



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312	MECHANICAL-WEIGHTS	Standard Weights ( E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	2 g	0.002mg
313	MECHANICAL-WEIGHTS	Standard Weights ( E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Weighing Balance Class I d=0.01 mg by as per OIML R111-1	50 g	0.023mg
314	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	1 g	0.004mg
315	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Class I Electronic Balances d=0.001 mg by as per OIML R111-1	1 mg	0.001mg





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316	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Weighing Balance Class I d=0.01 mg by as per OIML R111-1	10 g	0.017mg
317	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	10 mg	0.002mg
318	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Weighing Balance Class I d=0.01 mg by as per OIML R111-1	100 g	0.027mg
319	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	100 mg	0.002mg



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320	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Class I Electronic Balances d=0.001 mg by as per OIML R111-1	2 mg	0.001mg
321	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Weighing Balance Class I d=0.01 mg by as per OIML R111-1	20 g	0.015mg
322	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	20 mg	0.003mg
323	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Weighing Balance Class I d=0.01 mg by as per OIML R111-1	200 g	0.041mg



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324	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	200 mg	0.002mg
325	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	5 g	0.005mg
326	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	5 mg	0.002mg
327	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	50 mg	0.002mg





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328	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	500 mg	0.003mg
329	MECHANICAL-WEIGHTS	Standard Weights (F1 Class & Coarser)	Using E2 Class Standard Weights 500 g to 1 kg & Weighing Balance Class II d=1 mg by as per OIML R111-1	1 kg	0.85mg
330	MECHANICAL-WEIGHTS	Standard Weights (F1 Class & Coarser)	Using E2 Class Standard Weights 2 kg to 5 kg & Weighing Balance Class II d=1 mg by as per OIML R111-1	2 kg	1.36mg
331	MECHANICAL-WEIGHTS	Standard Weights (F1 Class & Coarser)	Using E2 Class Standard Weights 500 g to 1 kg & Weighing Balance Class II d=1 mg by as per OIML R111-1	500 g	0.825mg
332	MECHANICAL-WEIGHTS	Standard Weights (F2 Class & Coarser)	Using E2 Class Standard Weights & Electronic Balances Class III d=0.1 g by as per OIML R111-1	10 kg	81.7mg



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333	MECHANICAL-WEIGHTS	Standard Weights (F2 Class & Coarser)	Using E2 Class Standard Weights & Weighing Balance Class III d=0.1 g by as per OIML R111-1	20 kg	82mg
334	MECHANICAL-WEIGHTS	Standard Weights (F2 Class & Coarser)	Using E2 Class Standard Weights & Weighing Balance Class III d=0.1 g by as per OIML R111-1	5 kg	81.7mg
335	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature Humidity Meter/ Thermo Hygrometer/ Humidity Transmitter/ Data logger/Dial Humidity Meters/ Humidity Graph	Using Temperature & Humidity Meter & Humidity Chamber by Comparison Method	10 °C to 50 °C @ 50 rh	0.24°C
336	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature Humidity Meter/ Thermo Hygrometer/ Humidity Transmitter/ Data logger/Dial Humidity Meters/ Humidity Graph	Using Temperature & Humidity Meter & DMM and Humidity Chamber by Comparison Method	15 %rh to 95 %rh @ 25°C	0.81%
337	THERMAL-TEMPERATURE	Indicator with sensor of Black Body Source	Using IR thermometers (emissivity-0.95)by Comparison Method	50 °C to 500 °C	2.28°C



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338	THERMAL-TEMPERATURE	Indicator with sensor of Black Body Source	Using pyrometer (emissivity-0.95)by Comparison Method	500 °C to 1200 °C	4.64°C
339	THERMAL-TEMPERATURE	Indicator with sensor of Temperature bath	Using SSPRT with Digital Indicator (Single position)by Comparison Method	(-)-95 °C to 650 °C	0.12°C
340	THERMAL-TEMPERATURE	Indicator with sensor of Temperature Bath / Dry Block bath Calibrator	Using SSPRT with Digital Indicator, by Comparison Method	140 °C to 650 °C	0.12°C
341	THERMAL-TEMPERATURE	Indicator with sensor of Temperature Bath / Dry Block bath Calibrator (Single Position)	Using, SSPRT , 6½ Digital Multimeter by Comparison Method	-95 °C to 140 °C	0.09°C
342	THERMAL-TEMPERATURE	Indicator with sensor of Temperature Bath / Dry Block bath Calibrators	Using 'S' Type TC with Digital Indicator by Comparison Method	650 °C to 1200 °C	1.35°C
343	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using Liquid (oil) Bath, SSPRT with Digital Indicator by Comparison Method	(-)-80 °C to 150 °C	0.19°C





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344	THERMAL-TEMPERATURE	Non- Contact Type (IR Thermometers, Non-contact Thermometer, Pyrometers ,Thermal Imaging Camera),(For Non-Medical Applications)	Using Standard Pyrometer and Black Body Source (Emissivity 0.95) by Comparison Method	500 °C to 1200 °C	4.68°C
345	THERMAL-TEMPERATURE	Non- Contact Type IR Thermometers, Non-contact Thermometer, Pyrometers ,Thermal Imaging Camera,(For Non-Medical Applications)	Using Standard IR Thermometer and Black Body Source ( Emissivity 0.95) by Comparison Method	50 °C to 500 °C	2.28°C
346	THERMAL-TEMPERATURE	RTD, Temperature Sensor with or without Indicator, Digital Thermometer, Temperature Transmitters with/without Indicator	Using Ultra cold Bath, SSPRT with Digital Indicator, 6½ Digital Multimeters by Comparison Method as per DKD-R-5-1, Eura met/Cg-08/v-2.1	(- )95 °C to 140 °C	0.1°C



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347	THERMAL-TEMPERATURE	RTD, Temperature Sensor with or without Indicator, Digital Thermometer, Temperature Transmitters with/without Indicator	Using Temperature Bath, SSPRT with Digital Indicator, 6½ Digital Multimeters by Comparison Method as per DKD-R-5-1, Euramet/Cg-08/v-2.1	140 °C to 650 °C	0.1°C
348	THERMAL-TEMPERATURE	Temperature Gauge	Using Dry Block & SSPRT with Digital Indicator by Comparison Method	(-)70 °C to 400 °C	1.18°C
349	THERMAL-TEMPERATURE	Temperature Gauge	Using Dry Block & SPRT with Digital Indicator by Comparison Method	400 °C to 500 °C	2.93°C
350	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with or without Indicator	Using Dry Temperature Bath, SSPRT with Digital Indicator, 6½ Digital Multimeter by Comparison Method as per ASTM E220-13/Euramet cg-8	-95 °C to 140 °C	0.2°C



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351	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with or without Indicator	Using Dry Temperature Bath, SSPRT with Digital Indicator , 6½ Digital Multimeter by Comparison Method as per ASTM E220-13/Euramet cg-8	600 °C to 1200 °C	1.33°C
352	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with or without Indicator.	Dry Temperature Bath, SSPRT with Digital Indicator , 6½ Digital Multimeter by Comparison Method as per ASTM E220-13/Euramet cg-8	140 °C to 600 °C	0.2°C





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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	1 A to 10 A	0.162 % to 0.243 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter By Direct Method	1 mA to 10 mA	0.162 % to 0.243 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	0.243 % to 0.162 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter By Direct Method	100 µA to 1 mA	0.243 % to 0.162 %



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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mA to 1 A	0.162 % to 0.162 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	1 mA to 10 mA	0.394 % to 0.474 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	0.474 % to 0.394 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	1 mA to 10 mA	0.520 % to 1.213 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	1.213 % to 0.520 %



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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	100 µA to 1 mA	1.213 % to 0.520 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mA to 1 A	0.520 % to 1.212 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz	Using 6½ Digital Multimeter, By Direct Method	1 A to 10 A	0.164 % to 0.246 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50Hz	Using AC shunt with 6½ Digital multimeter by Direct Method	10 A to 1000 A	1.27 % to 1.27 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High Voltage Probe with digital multimeter, By Direct Method	1 kV to 28 kV	3.80 % to 3.69 %





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15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.10 % to 0.10 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.10 % to 0.10 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.23 % to 0.10 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	100 V to 1000 V	0.10 % to 0.07 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	1 mV to 100 mV	3.49 % to 0.45 %



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20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.440 % to 0.439 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.45 % to 0.45 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.78 % to 0.79 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.79 % to 0.79 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.78 % to 0.78 %



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25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.78 % to 0.79 %
26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.79 % to 0.79 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.78 % to 0.78 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 300 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	5.18 % to 5.2 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz	Using 6½ Digital Multimeter, By Direct Method	100 V to 1000 V	0.105 % to 0.073 %





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30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter, By Direct Method,	1 $\mu$ F to 100 $\mu$ F	0.24 % to 0.55 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter, By Direct Method	1 nF to 1 $\mu$ F	0.24 % to 0.24 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using LCR Meter , By Direct Method	100 $\mu$ H to 100 mH	0.34 % to 0.25 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using LCR Meter ,By Direct Method	100 mH to 10 H	0.25 % to 0.39 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.249 % to 0.235 %



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35	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.235 % to 0.232 %
36	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.232 % to 0.249 %
37	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.232 % to 0.220 %
38	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.612 % to 0.266 %
39	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.266 % to 0.347 %
40	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.925 % to 0.612 %



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41	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.347 % to 3.464 %
42	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	30 µA to 100 µA	0.925 % to 0.925 %
43	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.070 % to 0.139 %
44	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.134 % to 0.070 %
45	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.139 % to 0.203 %
46	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.070 % to 0.070 %





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47	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.146 % to 0.134 %
48	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.070 % to 0.070 %
49	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	30 µA to 100 µA	0.151 % to 0.146 %
50	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 100 mA	1.226 % to 0.694 %
51	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.510 % to 0.694 %
52	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	1.847 % to 1.226 %



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53	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	30 $\mu$ A to 100 $\mu$ A	1.849 % to 1.847 %
54	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.220 % to 0.093 %
55	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.162 % to 0.129 %
56	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.093 % to 0.168 %
57	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.129 % to 0.129 %
58	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 $\mu$ A to 1 mA	0.174 % to 0.162 %



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59	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.129 % to 0.220 %
60	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.808 % to 3.488 %
61	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.254 % to 0.117 %
62	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator, By Direct Method	10 A to 20 A	3.488 % to 3.494 %
63	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.117 % to 0.175 %
64	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.347 % to 0.254 %





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65	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.175 % to 0.808 %
66	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 65 Hz	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.093 % to 0.168 %
67	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multiproduct Calibrator , with Current coil, By Direct Method	20 A to 1000 A	0.93%
68	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power , 1 Phase , @ 50Hz 0.5 PF (120 V to 240 V 0.1 A to 20 A)	Using Multiproduct Calibrator , By Direct Method	6 W to 2.4 kW	0.36 % to 0.39 %
69	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power, 1 Phase , @50 Hz 0.8 PF lead (120V- 240V, 0.1A- 20 A)	Using Multiproduct Calibrator , By Direct Method	9.6 W to 3.84 kW	0.17 % to 0.23 %
70	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power, 1 Phase , @50 Hz UPF(120V- 240V, 0.01A- 20 A, 50 Hz)	Using Multiproduct Calibrator , By Direct Method	1.2 W to 4.8 kW	0.11 % to 0.18 %



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71	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power, 1 Phase , @50Hz 0.2 PF(120V-240V, 0.1A- 20 A, 50 Hz)	Using Multiproduct Calibrator , By Direct Method	2.4 W to 960 W	0.99 % to 1.00 %
72	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator, By Direct Method	1 V to 10 V	0.025 % to 0.025 %
73	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.091 % to 0.027 %
74	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.025 % to 0.031 %
75	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.027 % to 0.025 %
76	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.031 % to 0.301 %



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77	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.042 % to 0.044 %
78	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.165 % to 0.046 %
79	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.046 % to 0.042 %
80	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	1 mV to 10 mV	0.715 % to 0.091 %
81	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.025 % to 0.025 %
82	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.091 % to 0.027 %





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83	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.025 % to 0.031 %
84	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.027 % to 0.025 %
85	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.545 % to 0.131 %
86	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz	Using Multiproduct Calibrator, By Direct Method	10 V to 100 V	0.119 % to 0.300 %
87	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.131 % to 0.096 %
88	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.029 % to 0.036 %



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89	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.096 % to 0.029 %
90	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.036 % to 0.037 %
91	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.029 % to 0.029 %
92	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 mV to 10 mV	0.791 % to 0.164 %
93	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.041 % to 0.043 %
94	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.164 % to 0.045 %



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95	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.043 % to 0.026 %
96	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.045 % to 0.041 %
97	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.026 % to 0.359 %
98	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 450 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	1.508 % to 0.321 %
99	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.041 % to 0.049 %
100	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.187 % to 0.051 %





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101	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.049 % to 0.049 %
102	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.051 % to 0.041 %
103	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 90 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.096 % to 0.119 %
104	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 450 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.321 % to 0.358 %
105	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.031 % to 0.302 %
106	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.031 % to 0.036 %



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107	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	0.4 nF to 1 nF	3.50 % to 1.74 %
108	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	1 nF to 10 nF	1.74 % to 0.42 %
109	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator, By Direct Method	10 nF to 100 nF	0.42 % to 0.42 %
110	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator , By Direct Method	1 µF to 10 µF	0.41 % to 0.42 %
111	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator , By Direct Method	1 mF to 110 mF	0.91 % to 1.38 %
112	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator , By Direct Method	10 µF to 100 µF	0.42 % to 0.65 %



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113	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1k Hz	Using Multiproduct Calibrator , By Direct Method	100 $\mu$ F to 220 pF	0.65 % to 0.58 %
114	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1kHz	Using Decade Inductance Box by Direct Method	1 H to 10 H	1.29 % to 1.16 %
115	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1kHz	Using Decade Inductance Box by Direct Method	100 $\mu$ H to 1 H	1.20 % to 1.29 %
116	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multiproduct Calibrator, By Direct Method	0.2 Lag pf to 1 pf	0.002pf
117	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multiproduct Calibrator , By Direct Method	1 pf to 0.2 Lead pf	0.002pf
118	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	1 $\mu$ A to 100 $\mu$ A	0.25% % to 0.088% %





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119	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	1 A to 10 A	0.082 % to 0.183 %
120	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	1 mA to 10 mA	0.006 % to 0.082 %
121	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter with Shunt, By Direct Method	10 A to 20 A	0.74 % to 0.62 %
122	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	0.082 % to 0.064 %
123	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	100 µA to 1 mA	0.087 % to 0.006 %
124	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	100 mA to 1 A	0.082 % to 0.082 %



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125	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Current	Using Shunt with 6½ Digital Multimeter, By Direct Method	10 A to 200 A	0.70 % to 0.75 %
126	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe and digital Multimeter with HV tester By Direct Method	0.5 kV to 40 kV	3.05 % to 3.05 %
127	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	1 mV to 100 mV	0.06 % to 0.0087 %
128	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.0037 % to 0.0034 %
129	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	10 µV to 1 mV	5.66 % to 0.06 %
130	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.0034 % to 0.005 %



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131	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital multimeter, By Direct Method	100 mV to 1 V	0.0087 % to 0.0037 %
132	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	100 V to 1000 V	0.005 % to 0.006 %
133	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	1 kohm to 10 kohm	0.01 % to 0.01 %
134	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	1 Mohm to 10 Mohm	0.01 % to 0.05 %
135	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter By Direct Method	1 Ohm to 10 ohm	0.06 % to 0.05 %
136	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	10 kohm to 100 kohm	0.02 % to 0.01 %





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137	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	10 Ohm to 100 Ohm	0.05 % to 0.02 %
138	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	100 kohm to 1 Mohm	0.01 % to 0.01 %
139	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	100 Mohm to 1 Gohm	0.94 % to 2.35 %
140	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6.5 digit Multimeter, By Direct Method	100 mohm to 1 ohm	0.58 % to 0.05 %
141	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 6½ Digital Multimeter, By Direct Method	10 Mohm to 100 Mohm	0.05 % to 0.94 %
142	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance(2 wire)	Using 6½ Digital Multimeter, By Direct Method	100 Ohm to 1 kohm	0.02 % to 0.01 %



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143	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.028 % to 0.064 %
144	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.017 % to 0.015 %
145	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	10 $\mu$ A to 190 $\mu$ A	0.255 % to 0.041 %
146	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.064 % to 0.120 %
147	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.015 % to 0.015 %
148	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.015 % to 0.028 %



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149	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	190 $\mu$ A to 1 mA	0.041 % to 0.017 %
150	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator with 50 turn coil, By Direct Method	20 A to 1000 A	0.43 % to 0.34 %
151	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power(10V to 1000V, 10mA to 20 A)	Using Multiproduct Calibrator , By Direct Method	100 mW to 20 kW	0.10 % to 0.66 %
152	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power, 10mV, 10mA	Using Multiproduct Calibrator , By Direct Method	10 mW to 1 W	0.025 % to 0.07 %
153	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	1 mV to 100 mV	0.13 % to 0.0036 %
154	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.0016 % to 0.0016 %





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155	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.0016 % to 0.0024 %
156	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.0024 % to 0.0023 %
157	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	330 mV to 1 V	0.0036 % to 0.0016 %
158	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	1 Mohm to 10 Mohm	0.0054 % to 0.018 %
159	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using milliohm Resistance box by Direct Method	1 mohm to 100 mohm	0.12 % to 0.12 %
160	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	10 kohm to 100 kohm	0.0056 % to 0.0044 %



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161	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	10 Mohm to 100 Mohm	0.0018 % to 0.063 %
162	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	10 ohm to 100 ohm	0.12 % to 0.02 %
163	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	100 kohm to 1 Mohm	0.0044 % to 0.0054 %
164	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	100 ohm to 1 kohm	0.02 % to 0.0056 %
165	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multiproduct Calibrator , By Direct Method	1 ohm to 10 ohm	1.159 % to 0.12 %
166	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multiproduct Calibrator , By Direct Method	100 Mohm to 1 Gohm	0.0063 % to 1.79 %



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167	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance(2 wire)	Using Multiproduct Calibrator , By Direct Method	1 kohm to 10 kohm	0.0056 % to 0.0056 %
168	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude AC Signal, Amplitude	Using Multiproduct Calibrator , By Direct Method	1 mV to 130 V	4.82 % to 0.078 %
169	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude DC Signal, Amplitude	Using Multiproduct Calibrator , By Direct Method	1 mV to 130 V	4.98 % to 0.076 %
170	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Bandwidth	Using Multiproduct Calibrator , By Direct Method	50 kHz to 1 GHz	2.78 % to 6.08 %
171	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Time Marker	Using Multiproduct Calibrator , By Direct Method	2 ns to 5 s	0.029 % to 0.58 %
172	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - B Type T/C	Using 61/2 Digital Multimeter, By Direct Method	600 °C to 1820 °C	0.47°C





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173	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - E Type T/C	Using 6 <sup>1</sup> / <sub>2</sub> Digital Multimeter, By Direct Method	-250 °C to 1000 °C	0.16°C
174	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - J Type T/C	Using 6 <sup>1</sup> / <sub>2</sub> Digital Multimeter By Direct Method	-200 °C to 1200 °C	0.22°C
175	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - K Type T/C	Using 6 <sup>1</sup> / <sub>2</sub> Digital Multimeter, By Direct Method	-200 °C to 1350 °C	0.28°C
176	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - L Type T/C	Using 6 <sup>1</sup> / <sub>2</sub> Digital Multimeter, By Direct Method	-200 °C to 900 °C	0.19°C
177	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - N Type T/C	Using 6 <sup>1</sup> / <sub>2</sub> Digital Multimeter, By Direct Method	-200 °C to 1300 °C	0.42°C
178	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - R Type T/C	Using 6 <sup>1</sup> / <sub>2</sub> Digital Multimeter, By Direct Method	50 °C to 1760 °C	0.59°C



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179	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - RTD	Using 6½ Digital Multimeter, By Direct Method	-200 °C to 800 °C	0.19°C
180	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - S Type T/C	Using 6½ Digital Multimeter, By Direct Method	50 °C to 1760 °C	0.69°C
181	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - T Type T/C	Using 6½ Digital Multimeter, By Direct Method	-200 °C to 400 °C	0.25°C
182	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Simulation - U Type T/C	Using 6½ Digital Multimeter, By Direct Method	-200 °C to 600 °C	0.25°C
183	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - B Type T/C	Using Multiproduct Calibrator, By Direct Method	600 °C to 1820 °C	0.2°C
184	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - E Type T/C	Using Multiproduct Calibrator , By Direct Method	-250 °C to 1000 °C	0.041°C



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185	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - J Type T/C	Using Multiproduct Calibrator , By Direct Method	-200 °C to 1200 °C	0.052°C
186	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - K Type T/C	Using Multiproduct Calibrator , By Direct Method	-200 °C to 1350 °C	0.072°C
187	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - L Type T/C	Using Multiproduct Calibrator , By Direct Method	-200 °C to 900 °C	0.041°C
188	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - N Type T/C	Using Multiproduct Calibrator , By Direct Method	-200 °C to 1300 °C	0.066°C
189	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - R Type T/C	Using Multiproduct Calibrator , By Direct Method	50 °C to 1760 °C	0.17°C
190	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - RTD	Using Multiproduct Calibrator , By Direct Method	-200 °C to 800 °C	0.01°C





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191	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - S Type T/C	Using Multiproduct Calibrator , By Direct Method	50 °C to 1760 °C	0.18°C
192	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - T Type T/C	Using Multiproduct Calibrator , By Direct Method	-200 °C to 400 °C	0.03°C
193	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Simulation - U Type T/C	Using Multiproduct Calibrator , By Direct Method	-200 °C to 600 °C	0.064°C
194	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Frequency Counter, By Comparison Method	10 Hz to 2 MHz	0.023 % to 0.405 %
195	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time Interval Meter / Stop Watch (Digital/Analog)	Using Digital Timer 1/1000 sec by Comparison Method	1 Sec to 60 Sec	0.16 Sec to 0.16 Sec
196	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time Interval Meter / Stop Watch (Digital/Analog)	Using Digital Timer 1/1000 sec by Comparison Method	3600 Sec to 9000 Sec	2.96 Sec to 7.35 Sec



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197	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time Interval Meter / Stop Watch (Digital/Analog)	Using Digital Timer 1/1000 sec by Comparison Method	36000 Sec to 86400 Sec	29.41 Sec to 54.58 Sec
198	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time Interval Meter / Stop Watch (Digital/Analog)	Using Digital Timer 1/1000 sec by Comparison Method	60 Sec to 3600 Sec	0.16 Sec to 2.96 Sec
199	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time Interval Meter / Stop Watch (Digital/Analog)	Using Digital Timer 1/1000 sec by Comparison Method	9000 Sec to 36000 Sec	7.35 Sec to 29.41 Sec
200	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator , By Direct Method	1 Hz to 10 Hz	0.0053 % to 0.0011 %
201	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator , By Direct Method	1 kHz to 1 MHz	0.0420 % to 0.047 %
202	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator , By Direct Method	1 MHz to 1 GHz	0.047 % to 0.0023 %



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203	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator , By Direct Method	10 Hz to 1 kHz	0.0011 % to 0.0420 %
204	MECHANICAL-ACCELERATION AND SPEED	Speed (Non Contact type) Centrifuge and Rotating equipment	Using Tachometer by Direct comparison method	10 rpm to 100 rpm	2.05 rpm
205	MECHANICAL-ACCELERATION AND SPEED	Speed (Non Contact type) Centrifuge and Rotating equipment	Using Tachometer by Direct comparison method	above 100 rpm to 1000	4.60 rpm
206	MECHANICAL-ACCELERATION AND SPEED	Speed (Non Contact type) Centrifuge and Rotating equipment	Using Tachometer by Direct comparison method	above 1000 rpm to 10000 rpm	5.34 rpmrpm
207	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate(overall flatness deviation)	Using Electronic Level and steel Bridge By Direct Method	3000 mm X to 3000 mm	1.3 SQRT L+W/100 μm ,L&W in mm L- Length W- Width.
208	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tool Maker Microscope / Microscope LC: Linear 1 μm	Using Glass scale, gauge Block set by comparison method	Up to 100 mm	8.2μm
209	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Electronic Height Gauge LC:0.001 mm	Using Length bar, Granite square by comparison method	0 to 1000 mm	6.72μm





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210	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector Angular LC: 14 arc sec	Using Graticules Scale, Angular scale '0' Grade Slip Gauge Set by Comparison Method	0 to 360 °	5.05'
211	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector Linear LC: 0.001 mm	Using Graticules Scale, '0' Grade Slip Gauge Set by Comparison Method	0 to 300 mm	13.57µm
212	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector Magnification	Using Graticules Scale, '0' Grade Slip Gauge Set by Comparison Method	5X to 100X	0.42%
213	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Video Measuring Machine LC: Angular 1 Sec	Using Glass Scales/Slip Gauges, Angular scale by comparison method	0 to 360 °	5.05'
214	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Video Measuring Machine LC: Linear 1 µm	Using Glass Scales/Slip Gauges by comparison method	300X200 mm	9.55µm



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215	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Hydraulic) Pressure Gauges/ Switches/ Differential Pressure Transmitter/ Transducers with / Without Indicator	Using Digital Pressure Gauge and Calibrator using Hydraulic Comparator pump with pressure indicator, Handy Calibrator by Comparison method as per DKD-R6-1	0 to 700 bar	0.03%rdg
216	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Pneumatic) Pressure Gauges/ Switches/ Differential pressure Transmitter/ Transducers with/Without Indicator	Using Digital Pressure Gauge and Calibrator using Pneumatic Comparator pump with pressure indicator, Handy Calibrator by Comparison method as per DKD-R6-1	0 to 40 bar	0.02 %rdg
217	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Pneumatic) # (Digital / Dial, Magnehelic Gauge, Manometer, Differential Pressure, Transmitter, Transducers)	Using Low pressure calibrator using Pneumatic Comparator pump with Comparison Method	-500 mbar to +/-500 mbar	0.08% rdg



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218	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauges/ Switches/ Transmitter/ Transducers with without Indicator	Using pressure calibrator, using Pneumatic Comparator pump Handy calibrator with Comparison Method	(-)0.1 bar to (-)0.9 bar	0.723% rdg
219	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	UTM/CTM Compression	Using Force proving ring gauge by Comparison Method based on 1828 Part-1-2022	0 to 2000 kN	0.65%
220	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	UTM/CTM Compression	Using Load Cell with Indicator by Comparison Method based on 1828 Part-1-2022	10 kN to 1000 kN	0.39%
221	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	UTM/CTM Compression	Using Load Cell with Indicator by Comparison Method based on 1828 Part-1-2022	50 N to 10000 N	0.58%
222	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	UTM/Tension	Using Load Cell with Indicator by Comparison Method based on 1828 Part-1-2022:	10 kN to 200 kN	0.41%





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223	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	UTM/Tension	Using Load Cell with Indicator by Comparison Method based on 1828 Part-1-2022	50 N to 10000 N	0.70%
224	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Extensometer used in Uniaxial Testing Machine	Using Precision Length Measuring Instruments as per ASTM E 83, IS 12872, ISO 9513 by Comparison Method	0 to 25 mm	15.14µm
225	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Displacement Measuring System and Devices used in Material Testing Machine	Using Precision Length Measuring Instruments as per ASTM E 2309/ISO 9513 by Comparison Method	5 mm to 150 mm	26µm
226	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Speed in Material Testing Machine	Using Precision Length Measuring Instruments & Stopwatch as per ASTM E 2658 - 11 by Comparison Method	3mm/min to 10 mm/min	0.8mm/min
227	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass Electronic Weighing Balances Readability 0.001 mg	Calibration of Weighing Balances for Class I & Coarser by OIML-R76-1 & 2 Using E1 Class Weights	1 mg to 11 g	0.008mg



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228	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass Electronic Weighing Balances Readability 0.01 mg	Calibration of Weighing Balances for Class I & Coarser by OIML-R76-1 & 2 Using E1 Class Weights	1 mg to 220 g	0.13mg
229	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass Electronic Weighing Balances Readability 0.1 g	Calibration of Weighing Balances for Class II & Coarser by OIML-R76-1 & 2 Using E1 & F1 Class Weights	10 mg to 6 kg	0.05g
230	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass Electronic Weighing Balances Readability 0.1 mg	Calibration of Weighing Balances for Class I & Coarser by OIML-R76-1 & 2 Using E1 Class Weights	1 mg to 620 g	0.14mg
231	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass Electronic Weighing Balances Readability 1 g	Calibration of Weighing Balances for Class III & Coarser by OIML-R76-1 & 2 Using E1 & F1 Class Weights	1 g to 50 kg	0.74g
232	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass Electronic Weighing Balances Readability 10 g	Calibration of Weighing Balances for Class IV & Coarser by OIML-R76- 1 & 2 Using M1 Class Weights	1 kg to 600 kg	16.04g



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233	MECHANICAL-WEIGHING SCALE AND BALANCE	Mass Electronic Weighing Balances Readability 100 g	Calibration of Weighing Balances for Class IV & Coarser by OIML-R76- 1 & 2 Using M1 Class Weights	1 kg to 1000 kg	115.59g
234	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with sensor of Temperature & Humidity Chambers, Climatic Chambers (Single Position)	Using Temperature & Humidity Meter (Single position) by Comparison Method	15 %rh to 95 %rh @ 25 °C	0.90%
235	THERMAL-SPECIFIC HEAT & HUMIDITY	Multi Position - Temperature & Humidity Chambers, Climatic Chambers, Environmental Chamber	Using Temperature & Humidity Sensor with Datalogger	30 %rh to 95 %rh @ 10°C to 60°C	2.2%rh
236	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & Humidity Chambers, Climatic Chambers, Environmental Chamber	Using Temperature & Humidity Sensor with Data logger(Minimum 9 sensor)) by Multiposition calibration	10 %rh to 95 %rh @ 30°C to 60 °C	2.0%rh
237	THERMAL-TEMPERATURE	Muffle Furnace , Furnace	Using Thermocouple with Recorder by multiposition calibration as per AMS2750	400 °C to 1200 °C	2.05°C





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238	THERMAL-TEMPERATURE	Temperature Indicator with sensor of Furnace, Muffle Furnace	Using S Type Thermocouple with Digital Indicator (Single Position) by Comparison method	400 °C to 1200 °C	1.31°C
239	THERMAL-TEMPERATURE	Autoclave (Non medical purpose only), Oven, Muffle Furnace	Using RTD with Recorder(Minimum 9 Sensor) by Multi position calibration as per DKD-R-5-7, IEC 60068-3-7	20 °C to 400 °C	0.17°C
240	THERMAL-TEMPERATURE	Chamber, Climatic Chamber, Environmental Chamber, cold chamber.	Using RTD with Recorder(Minimum 9 sensor) by Multi-position calibration as per DKD-R-5-7, IEC 60068-3-11	(-)80 °C to 300 °C	0.10°C
241	THERMAL-TEMPERATURE	Deep Freezers / Refrigerators	Using RTD with Recorder by Multiposition Method as per DKD-R-5-7, IEC 60068-3-7	-80 °C to 50 °C	0.10°C
242	THERMAL-TEMPERATURE	Incubators (Non Medical purpose only)	Using RTD with Recorder by Multiposition calibration as per DKD-R-5-7, IEC 60068-3-11	5 °C to 100 °C	0.13°C



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

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**Validity** 06/12/2022 to 05/12/2024 **Last Amended on** 31/03/2023

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)(±)
243	THERMAL-TEMPERATURE	Indicator with sensor of Black Body Source	Using IR thermometers (emissivity-0.95)by Comparison Method	50 °C to 500 °C	2.28°C
244	THERMAL-TEMPERATURE	Indicator with sensor of Black Body Source	Using pyrometer (emissivity-0.95)by Comparison Method	500 °C to 1200 °C	4.64°C
245	THERMAL-TEMPERATURE	Indicator with sensor of Temperature bath	Using SSPRT with Digital Indicator (Single position)by Comparison Method	(-)-95 °C to 650 °C	0.12°C
246	THERMAL-TEMPERATURE	Indicator with sensor of Temperature Bath / Dry Block bath Calibrator	Using SSPRT with Digital Indicator, by Comparison Method	140 °C to 650 °C	0.12°C
247	THERMAL-TEMPERATURE	Indicator with sensor of Temperature Bath / Dry Block bath Calibrator (Single Position)	Using, SSPRT , 6½ Digital Multimeter by Comparison Method	-95 °C to 140 °C	0.09°C
248	THERMAL-TEMPERATURE	Indicator with sensor of Temperature Bath / Dry Block bath Calibrators	Using 'S' Type TC with Digital Indicator by Comparison Method	650 °C to 1200 °C	1.35°C



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249	THERMAL-TEMPERATURE	RTD, Temperature Sensor with or without Indicator, Digital Thermometer, Temperature Transmitters with/without Indicator	Using Temperature Bath, SSPRT with Digital Indicator, 6½ Digital Multimeter by Comparison Method as per DKD-R-5-1, Euramet/Cg-08/v-2.1	-95 °C to 140 °C	0.2°C
250	THERMAL-TEMPERATURE	RTD, Temperature Sensor with or without Indicator, Digital Thermometer, Temperature Transmitters with/without Indicator	Dry Temperature Bath, SSPRT & 'S' Type TC with Digital Indicator, 6½ Digital Multimeter by Comparison Method as per DKD-R-5-1, Euramet/Cg-08/v-2.1	140 °C to 650 °C	0.09°C
251	THERMAL-TEMPERATURE	Temperature Gauge	Using Dry Block & SSPRT with Digital Indicator by Comparison Method	(-)-70 °C to 400 °C	1.18°C
252	THERMAL-TEMPERATURE	Temperature Gauge	Using Dry Block & SPRT with Digital Indicator by Comparison Method	400 °C to 500 °C	2.93°C





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253	THERMAL-TEMPERATURE	Temperature Indicating with sensor of Oven, Furnace, Muffle Furnace, Water Bath.	Using SSPRT with Digital Indicator (Single Position)by Comparison method	20 °C to 400 °C	0.14°C
254	THERMAL-TEMPERATURE	Temperature Indicator with sensor of chamber, Incubator	Using SSPRT with Digital Indicator(Single Position)by Comparison method	5 °C to 100 °C	0.14°C
255	THERMAL-TEMPERATURE	Temperature indicator with sensor of Cold Room, Freezer, Deep Freezer, Temperature Chamber	Using SSPRT, with Digital Indicator(Single Position) by Comparison method	(-)-80 °C to 50 °C	0.15°C
256	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with or without Indicator.	Dry Temperature Bath, SSPRT with Digital Indicator , 6½ Digital Multimeter by Comparison Method as per ASTM E220-13/Euramet cg-8	140 °C to 600 °C	0.09°C



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257	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with or without Indicator.	Using Dry Temperature Bath, SSPRT with Digital Indicator , 6½ Digital Multimeter by Comparison Method as per ASTM E220-13/Euramet cg-8	600 °C to 1200 °C	1.33°C
258	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with or without Indicator.	Using Dry Temperature Bath, SSPRT with Digital Indicator, 6½ Digital Multimeter by Comparison Method as per ASTM E220-13/Euramet cg-8	-95 °C to 140 °C	0.2°C

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