



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

FLUTECH ENGINEERING PRIVATE LIMITED, 431/11, OFF GLASS FACTORY ROAD, CHELIKERE, KALYAN NAGAR POST, BENGALURU, KARNATAKA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2891

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Validity

07/11/2025 to 06/11/2029

Last Amended on

17/12/2025

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 @ 5 kHz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	10 mA to 100 mA	0.052 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	1 A to 10 A	0.15 % to 0.3 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	1 A to 10 A	0.15 % to 0.3 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	10 A to 20 A	0.3 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	10 A to 20 A	0.3 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	10 mA to 100 mA	0.052 % to 0.054 %



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7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	10 mA to 100 mA	0.051 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	100 mA to 1 A	0.054 % to 0.15 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	100 mA to 1 A	0.051 % to 0.15 %
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	100 µA to 100 mA	0.078 % to 0.054 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	30 µA to 100 µA	0.16 % to 0.078 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	100 µA to 100 mA	0.078 % to 0.051 %



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13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	100 mA to 1 A	0.054 % to 0.084 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	100 mA to 1 A	0.052 % to 0.084 %
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	30 µA to 100 µA	0.16 % to 0.078 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	1 A to 10 A	0.084 % to 0.11 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	1 A to 10 A	0.084 % to 0.11 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	10 A to 20 A	0.11 %



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19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	10 A to 20 A	0.11 %
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 5 kHz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	100 mA to 1 A	0.052 % to 0.15 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Current @ 50 Hz	Using Precision Current Shunt & 8½ Digit Multimeter by V/R Method	20 A to 100 A	0.66 % to 0.65 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High Voltage Probe with Multimeter by Direct Method	1 kV to 28 kV	5.04 % to 5.62 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Resistance @ 1 kHz	Using LCR Meter by Direct Method	1 kohm to 10 kohm	2.32 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Resistance @ 1 kHz	Using LCR Meter by Direct Method	1 ohm to 1 kohm	0.3 % to 2.32 %



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25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 8½ Digit Multimeter by Direct Method	1 mV to 1 V	0.43 % to 0.017 %
26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 mV to 1 V	0.43 % to 0.32 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 8½ Digit Multimeter by Direct Method	1 V to 30 V	0.017 % to 0.02 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 V to 30 V	0.32 % to 0.02 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz to 500 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	300 mV to 1 V	0.98 % to 3 %
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz to 500 kHz	Using 8½ Digit Multimeter by Direct Method	300 mV to 1 V	0.98 % to 3 %



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31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 mV to 100 mV	0.43 % to 0.024 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	1 mV to 100 mV	0.43 % to 0.024 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 V to 100 V	0.014 % to 0.016 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	10 V to 100 V	0.019 %
35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	100 mV to 10 V	0.02 % to 0.014 %
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	100 mV to 10 V	0.024 % to 0.019 %



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37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	100 V to 1000 V	0.016 % to 0.021 %
38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	100 V to 1000 V	0.019 % to 0.022 %
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 mV to 10 mV	2.1 % to 0.28 %
40	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter by Direct Method	1 mV to 10 mV	2.49 % to 0.34 %
41	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 mV to 100 mV	0.28 % to 0.1 %
42	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter by Direct Method	10 mV to 100 mV	0.34 % to 0.11 %



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43	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	100 mV to 100 V	0.1 % to 0.078 %
44	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter by Direct Method	100 mV to 100 V	0.11 % to 0.089 %
45	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter by Direct Method	1 nF to 1 µF	1.01 % to 0.61 %
46	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter by Direct Method	100 pF to 1 nF	1.13 % to 1.01 %
47	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 100 Hz	Using LCR Meter by Direct Method	1 µF to 100 µF	0.61 % to 0.14 %
48	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using LCR Meter by Direct Method	1 mH to 10 H	0.3 % to 0.26 %



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49	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1 Ø AC Active Power @ 50 Hz (0.2 Lag, 120 V to 240 V, 0.1 A to 20 A)	Using Multi Product Calibrator by Direct Method	2.4 W to 960 W	1.04 %
50	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1 Ø AC Active Power @ 50 Hz (0.5 Lag, 120 V to 240 V, 0.1 A to 20 A)	Using Multi Product Calibrator by Direct Method	6 W to 2.4 kW	0.36 % to 0.37 %
51	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1 Ø AC Active Power @ 50 Hz (0.8 Lead, 120 V to 240 V, 0.1 A to 20 A)	Using Multi Product Calibrator by Direct Method	9.6 W to 3.84 kW	0.16 %
52	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1 Ø AC Active Power @ 50 Hz (UPF, 120 V to 240 V, 0.01 A to 20 A)	Using Multi Product Calibrator by Direct Method	1.2 W to 4.8 kW	0.49 % to 0.12 %
53	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multi Product Calibrator by Direct Method	10 A to 20 A	3.02 % to 2.35 %
54	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multi Product Calibrator by Direct Method	10 mA to 30 mA	0.085 % to 0.072 %
55	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multi Product Calibrator by Direct Method	3 A to 10 A	0.5 % to 3.02 %



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56	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multi Product Calibrator by Direct Method	30 mA to 300 mA	0.072 % to 0.094 %
57	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multi Product Calibrator by Direct Method	300 mA to 3 A	0.094 % to 0.5 %
58	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	1 mA to 300 mA	0.2 % to 0.15 %
59	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	30 µA to 300 µA	0.50 % to 0.18 %
60	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	300 µA to 1 mA	0.18 % to 0.2 %
61	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	300 mA to 3 A	0.15 %
62	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	1 mA to 300 mA	0.2 % to 0.079 %



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63	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	10 A to 20 A	0.1 % to 0.16 %
64	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	3 A to 10 A	0.15 % to 0.1 %
65	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	30 µA to 300 µA	0.38 % to 0.14 %
66	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	300 µA to 1 mA	0.14 % to 0.2 %
67	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	300 mA to 3 A	0.079 % to 0.15 %
68	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz to 10 kHz	Using Multi Product Calibrator by Direct Method	10 mA to 100 mA	0.18 % to 0.24 %
69	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz to 10 kHz	Using Multi Product Calibrator by Direct Method	100 mA to 300 mA	0.24 % to 0.19 %



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70	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz to 10 kHz	Using Multi Product Calibrator by Direct Method	300 mA to 3 A	0.19 % to 2.33 %
71	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi Product Calibrator with Current Coil by Direct Method	20 A to 1000 A	0.52 % to 0.32 %
72	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Resistance @ 1 kHz	Using Decade Resistance Box by Direct Method	1 ohm to 10 kohm	1.15 % to 0.33 %
73	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	1 mV to 30 mV	2.15 % to 0.17 %
74	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	30 mV to 300 mV	0.17 % to 0.051 %
75	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	300 mV to 30 V	0.051 % to 0.047 %
76	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz to 450 kHz	Using Multi Product Calibrator by Direct Method	30 mV to 3 V	0.94 % to 0.42 %



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77	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 18 kHz to 100 kHz	Using Multi Product Calibrator by Direct Method	10 mV to 30 mV	0.53 % to 0.36 %
78	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 18 kHz to 100 kHz	Using Multi Product Calibrator by Direct Method	3 V to 100 V	0.24 % to 0.25 %
79	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 18 kHz to 100 kHz	Using Multi Product Calibrator by Direct Method	30 mV to 300 mV	0.36 % to 0.23 %
80	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 18 kHz to 100 kHz	Using Multi Product Calibrator by Direct Method	300 mV to 3 V	0.23 % to 0.24 %
81	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 8 kHz	Using Multi Product Calibrator by Direct Method	1 mV to 30 mV	2.15 % to 0.17 %
82	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 8 kHz	Using Multi Product Calibrator by Direct Method	3 V to 30 V	0.034 % to 0.041 %
83	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 8 kHz	Using Multi Product Calibrator by Direct Method	30 mV to 300 mV	0.17 % to 0.044 %



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84	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 8 kHz	Using Multi Product Calibrator by Direct Method	30 V to 300 V	0.041 % to 0.066 %
85	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 8 kHz	Using Multi Product Calibrator by Direct Method	300 mV to 3 V	0.044 % to 0.034 %
86	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 8 kHz	Using Multi Product Calibrator by Direct Method	300 V to 1000 V	0.066 % to 0.073 %
87	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz to 18 kHz	Using Multi Product Calibrator by Direct Method	1 mV to 30 mV	2.15 % to 0.17 %
88	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz to 18 kHz	Using Multi Product Calibrator by Direct Method	3 V to 30 V	0.06 %
89	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz to 18 kHz	Using Multi Product Calibrator by Direct Method	30 mV to 300 mV	0.17 % to 0.06 %
90	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz to 18 kHz	Using Multi Product Calibrator by Direct Method	30 V to 300 V	0.06 % to 0.074 %



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91	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz to 18 kHz	Using Multi Product Calibrator by Direct Method	300 mV to 3 V	0.06 %
92	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Capacitance Box by Direct Method	1 µF to 10 µF	1.16 % to 5.79 %
93	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	1 nF to 1 µF	1.16 %
94	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	100 pF to 1 nF	1.16 %
95	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Decade Capacitance Box by Direct Method	10 µF to 100 µF	5.79 % to 0.61 %
96	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multi Product Calibrator by Direct Method	100 µF to 110 µF	0.61 % to 0.6 %
97	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box by Direct Method	1 mH to 10 H	3.72 %



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98	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.2 PF (Lag)	0.002 PF
99	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.2 PF (Lead)	0.0026 PF
100	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.5 PF (Lag)	0.0019 PF
101	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.5 PF (Lead)	0.0019 PF
102	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.8 PF (Lag)	0.0013 PF
103	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.8 PF (Lead)	0.0013 PF
104	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	UPF	0.0007 PF



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105	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 µA to 10 µA	0.13 % to 0.01 %
106	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 µA to 10 µA	0.089 % to 0.01 %
107	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 A to 10 A	0.021 % to 0.045 %
108	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 A to 10 A	0.021 % to 0.045 %
109	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 mA to 10 mA	0.0025 %
110	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 mA to 10 mA	0.0025 %
111	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 µA to 100 µA	0.01 % to 0.0026 %



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112	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 µA to 100 µA	0.01 % to 0.0028 %
113	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 A to 20 A	0.045 % to 0.043 %
114	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 A to 20 A	0.045 % to 0.043 %
115	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 mA to 100 mA	0.0025 % to 0.0058 %
116	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 mA to 100 mA	0.0025 % to 0.0058 %
117	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	100 µA to 1 mA	0.0026 % to 0.0025 %
118	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	100 µA to 1 mA	0.0028 % to 0.0025 %



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119	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	100 mA to 1 A	0.0058 % to 0.021 %
120	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	100 mA to 1 A	0.0058 % to 0.021 %
121	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Current	Using Precision Current Shunt & 8½ Digit Reference Multimeter by V/R Method	20 A to 100 A	0.29 % to 0.59 %
122	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using High Voltage Probe with Multimeter by Direct Method	1 kV to 30 kV	2.11 % to 2.85 %
123	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	0.1 mV to 1 mV	0.79 % to 0.078 %
124	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	0.1 mV to 1 mV	0.79 % to 0.079 %
125	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	1 mV to 10 mV	0.078 % to 0.0083 %



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126	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 mV to 10 mV	0.079 % to 0.0083 %
127	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	1 V to 10 V	0.00051 % to 0.00074 %
128	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 V to 10 V	0.00058 % to 0.00076 %
129	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	10 mV to 1 V	0.0083 % to 0.00051 %
130	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 mV to 1 V	0.0083 % to 0.00058 %
131	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	10 V to 100 V	0.00074 % to 0.00094 %
132	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 V to 100 V	0.00076 % to 0.00094 %



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133	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	100 V to 1000 V	0.00094 % to 0.00089 %
134	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	100 V to 1000 V	0.00094 % to 0.00101 %
135	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	1 Gohm to 10 Gohm	0.043 % to 0.26 %
136	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 8½ Digit Multimeter and Multi Product Calibrator by Substitute Method	1 Mohm to 100 Mohm	0.0021 % to 0.037 %
137	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	1 Mohm to 10 Mohm	0.012 % to 0.0021 %
138	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter by Direct Method	1 Mohm to 100 Mohm	0.0021 % to 0.022 %
139	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	10 Mohm to 100 Mohm	0.0021 % to 0.0097 %



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140	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 8½ Digit Multimeter and Multi Product Calibrator by Substitute Method	100 kohm to 1 Mohm	0.0012 % to 0.0021 %
141	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter by Direct Method	100 kohm to 1 Mohm	0.0011 % to 0.0021 %
142	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 8½ Digit Multimeter and Multi Product Calibrator by Substitute Method	100 Mohm to 1 Gohm	0.037 % to 0.64 %
143	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	100 Mohm to 1 Gohm	0.0097 % to 0.043 %
144	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter by Direct Method	100 Mohm to 1 Gohm	0.022 % to 0.635 %
145	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter by Direct Method	0.5 ohm to 1 ohm	0.0397 % to 0.0048 %
146	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter and Multi Product Calibrator by Substitute Method	0.5 ohm to 1 ohm	0.20 % to 0.0094 %



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147	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter by Direct Method	1 ohm to 100 ohm	0.0048 % to 0.001 %
148	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter and Multi Product Calibrator by Substitute Method	1 ohm to 100 ohm	0.0094 % to 0.0011 %
149	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter and Multi Product Calibrator by Substitute Method	100 ohm to 100 kohm	0.0011 % to 0.0012 %
150	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter by Direct Method	100 ohm to 100 kohm	0.001 % to 0.0011 %
151	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	1 µA to 10 µA	2.02 % to 0.17 %
152	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	1 A to 10 A	0.033 % to 0.051 %
153	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	1 mA to 100 mA	0.012 % to 0.0099 %



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154	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	10 µA to 100 µA	0.17 % to 0.035 %
155	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	10 A to 20 A	0.051 % to 0.11 %
156	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	100 µA to 300 µA	0.035 % to 0.022 %
157	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	100 mA to 1 A	0.0099 % to 0.033 %
158	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator with Current Coil by Direct Method	20 A to 1000 A	0.38 % to 0.26 %
159	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	300 µA to 1 mA	0.022 % to 0.012 %
160	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1 V to 1000 V, 0.01 A to 20 A)	Using Multi Product Calibrator by Direct Method	0.01 W to 500 W	0.096 % to 0.082 %



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161	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1 V to 1000 V, 0.01 A to 20 A)	Using Multi Product Calibrator by Direct Method	500 W to 19.95 kW	0.082 % to 0.11 %
162	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	0.1 mV to 1 mV	3.011 % to 0.24 %
163	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	1 mV to 10 mV	0.24 % to 0.028 %
164	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	10 mV to 100 mV	0.028 % to 0.007 %
165	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	100 mV to 100 V	0.007 % to 0.0054 %
166	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	100 V to 1000 V	0.0054 % to 0.0057 %
167	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Mega Ohm Box by Direct Method	0.1 Mohm to 100 Mohm	0.67 % to 1.2 %



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168	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multi Product Calibrator by Direct Method	1 Mohm to 10 Mohm	0.012 % to 0.047 %
169	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Standard Resistor by Direct Method	10 Mohm	0.58 %
170	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multi Product Calibrator by Direct Method	10 Mohm to 100 Mohm	0.047 % to 0.39 %
171	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Decade Resistance Box by Direct Method	100 Gohm to 1000 Gohm	2.81 % to 4.58 %
172	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multi Product Calibrator by Direct Method	100 kohm to 1 Mohm	0.009 % to 0.012 %
173	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Mega Ohm Box by Direct Method	100 Mohm to 10 Gohm	1.2 % to 2.32 %
174	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multi Product Calibrator by Direct Method	100 Mohm to 1000 Mohm	0.39 % to 1.552 %



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175	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Multi Product Calibrator by Direct Method	0.1 ohm to 1 ohm	0.79 % to 0.09 %
176	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Micro / Milli Ohm Meter Calibrator by Direct Method	1 mohm to 100 mohm	0.17 % to 0.062 %
177	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Multi Product Calibrator by Direct Method	1 ohm to 10 ohm	0.09 % to 0.017 %
178	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Micro / Milli Ohm Meter Calibrator by Direct Method	10 µohm to 100 µohm	2.53 % to 0.58 %
179	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Multi Product Calibrator by Direct Method	10 ohm to 100 ohm	0.017 % to 0.0084 %
180	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Micro / Milli Ohm Meter Calibrator by Direct Method	100 µohm to 1 mohm	0.58 % to 0.17 %
181	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Micro / Milli Ohm Meter Calibrator by Direct Method	100 mohm to 2 ohm	0.062 % to 0.036 %



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182	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Multi Product Calibrator by Direct Method	100 ohm to 100 kohm	0.0084 % to 0.009 %
183	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth @ 50 kHz (30 mVp-p to 5.5 Vp-p)	Using Multi Product Calibrator with Scope Option by Direct Method	100 MHz to 600 MHz	3.46 % to 4.5 %
184	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth @ 50 kHz (30 mVp-p to 5.5 Vp-p)	Using Multi Product Calibrator with Scope Option by Direct Method	50 kHz to 100 MHz	2.35 % to 3.46 %
185	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - DC Amplitude (Vertical Axis Deflection Factor) @ Impedance: 1 Mohm	Using Multi Product Calibrator with Scope Option by Direct Method	2 mV to 130 V	2.37 % to 0.4 %
186	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - DC Amplitude (Vertical Axis Deflection Factor) @ Impedance: 50 Ohm	Using Multi Product Calibrator with Scope Option by Direct Method	2 mV to 6.5 V	2.6 % to 0.29 %
187	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Level Sine Wave Frequency	Using Multi Product Calibrator with Scope Option by Direct Method	50 kHz to 600 MHz	0.0005 %
188	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Square Wave Amplitude (Vertical Axis Deflection Factor) @ 10 Hz to 10 kHz Impedance: 1 Mohm	Using Multi Product Calibrator with Scope Option by Direct Method	2 mV (p-p) to 100 V (p-p)	1.77 % to 0.32 %



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189	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Square Wave Amplitude (Vertical Axis Deflection Factor) @ 10 Hz to 10 kHz Impedance: 50 Ohm	Using Multi Product Calibrator with Scope Option by Direct Method	2 mV (p-p) to 6.5 V (p-p)	2.55 % to 0.57 %
190	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Time Marker (Horizontal Axis Deflection Factor)	Using Multi Product Calibrator with Scope Option by Direct Method	2 ns to 50 ms	0.043 % to 0.009 %
191	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Time Marker (Horizontal Axis Deflection Factor)	Using Multi Product Calibrator with Scope Option by Direct Method	50 ms to 5 s	0.009 % to 0.58 %
192	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT-100)	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 800 °C	0.07 °C
193	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple B Type	Using 8½ Digit Multimeter by Direct Method	600 °C to 1800 °C	0.2 °C
194	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple E Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 950 °C	0.075 °C
195	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple J Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1200 °C	0.075 °C



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196	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple K Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1350 °C	0.077 °C
197	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple N Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1300 °C	0.15 °C
198	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple R Type	Using 8½ Digit Multimeter by Direct Method	50 °C to 1600 °C	0.17 °C
199	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple S Type	Using 8½ Digit Multimeter by Direct Method	50 °C to 1600 °C	0.13 °C
200	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple T Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 400 °C	0.1 °C
201	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT-100)	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 800 °C	0.3 °C
202	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple B Type	Using Multi Product Calibrator by Direct Method	600 °C to 1800 °C	0.71 °C



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203	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple E Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 950 °C	0.16 °C
204	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple J Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1200 °C	0.18 °C
205	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple K Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1350 °C	0.24 °C
206	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple N Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.39 °C
207	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple R Type	Using Multi Product Calibrator by Direct Method	50 °C to 1600 °C	0.59 °C
208	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple S Type	Using Multi Product Calibrator by Direct Method	50 °C to 1600 °C	0.69 °C
209	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple T Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 400 °C	0.24 °C



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210	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct Method	1 MHz to 1000 MHz	0.0577 % to 0.000165 %
211	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	10 Hz to 100 kHz	0.76 % to 0.012 %
212	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	100 kHz to 1000 kHz	0.012 %
213	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	1000 s to 9000 s	0.059 % to 0.058 %
214	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	10 Hz to 100 Hz	0.068 % to 0.0027 %
215	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	100 Hz to 100 kHz	0.0027 % to 0.0021 %
216	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	100 kHz to 1 MHz	0.0021 % to 0.0577 %



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217	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Direct Method	114 dB	1.63 dB
218	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Direct Method	94 dB	0.92 dB
219	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor - Analog / Digital (L.C.: 0.005° & Coarser)	Using Angle Gauge Blocks by Direct Method	0° to 360°	1.38 minute of arc
220	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge (Split Type) (L.C.: 1 µm & Coarser)	Using Plain Ring Gauges by Comparison Method	3 mm to 10 mm	1.96 µm
221	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge - Transmission Error (L.C.: 0.001 mm & coarser)	Using Electronic Dial Calibrator by Comparison Method	0 to 2 mm	3.79 µm
222	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Digital / Dial / Vernier- External Jaws (L.C.: 0.01 mm & Coarser)	Using Slip Gauge & Cylindrical Pin Gauge by Direct Method	0 to 150 mm	8.81 µm
223	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Digital / Dial / Vernier- External Jaw (L.C.: 0.01 mm & Coarser)	Using Gauge Blocks Set, Cylindrical Pin Gauge & Vernier Caliper Checker by Direct Method	0 to 1000 mm	9.46 µm



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224	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Digital / Dial / Vernier- External Jaws (L.C.: 0.01 mm & Coarser)	Using Slip Gauge Blocks & Cylindrical Pin Gauge by Direct Method	0 to 600 mm	8.08 µm
225	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Digital / Dial / Vernier- External Jaws (L.C.: 0.01 mm & Coarser)	Using Slip Gauge Set & Cylindrical Pin Gauge by Direct Method	0 to 300 mm	7.06 µm
226	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper- Digital/ Dial/ Vernier-Cross Knife Edge (L.C.: 0.01 mm & Coarser)	Using Slip Gauge & Ring Gauge by Direct Method	0 to 150 mm	5.82 µm
227	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper-Digital/ Dial/ Vernier- Cross Knife Edge (L.C.: 0.01 mm & Coarser)	Using Slip Gauge & Ring Gauge by Direct Method	0 to 300 mm	6.85 µm
228	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper-Digital/ Dial/ Vernier- Depth (L.C.: 0.01 mm & Coarser)	Using Slip Gauge by Direct Method	0 to 300 mm	6.74 µm
229	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper-Digital/ Dial/ Vernier-Cross Knife Edge (L.C.: 0.01 mm & Coarser)	Using Slip Gauge & Ring Gauge by Direct Method	0 to 300 mm	6.16 µm



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230	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper-Digital/ Dial/ Vernier-Depth (L.C.: 0.01 mm & Coarser)	Using Slip Gauge by Direct Method	0 to 150 mm	6.19 µm
231	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper-Digital/ Dial/ Vernier-Depth (L.C.: 0.01 mm & Coarser)	Using Slip Gauge & Caliper Checker by Direct Method	0 to 600 mm	7.26 µm
232	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper-Digital/ Dial/ Vernier-Internal Jaws (L.C.: 0.01 & Coarser)	Using Ring Gauge & Slip Gauge by Direct Method	0 to 300 mm	6.84 µm
233	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper-Digital/ Dial/ Vernier-Internal Jaws (L.C.: 0.01 mm & Coarser)	Using Slip Gauge & Ring Gauge by Direct Method	0 to 150 mm	6.96 µm
234	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper-Digital/ Dial/ Vernier-Internal Jaws (L.C.: 0.01 mm & Coarser)	Using Slip Gauge & Ring Gauge by Direct Method	0 to 600 mm	7.02 µm
235	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper-Digital/Dial/Vernier-Internal Jaws (L.C.: 0.01 mm & Coarser)	Using Slip Gauge, Caliper Checker & Ring Gauge by Direct Method	0 to 1000 mm	7.18 µm



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236	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Measuring Pins	Using Digital Micrometer by Direct Method	0 to 20 mm	1.90 µm
237	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer - Analog / Digital (L.C.: 0.001 mm & Coarser)	Using Slip Gauge Blocks by Direct Method	0 to 300 mm	7.7 µm
238	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Vernier - Digital / Dial / Vernier (L.C.: 0.01 mm & Coarser)	Using Slip Gauge Block Set by Direct Method	0 to 300 mm	4.42 µm
239	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Vernier - Digital / Dial / Vernier (L.C.: 0.02 mm & Coarser)	Using Slip Gauge Block Set by Direct Method	0 to 300 mm	6.33 µm
240	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Comparator - Analog / Digital (L.C.: 1 µm & Coarser)	Using Electronic Dial Calibrator by Comparison Method	(±) 0.05 mm	3.9 µm
241	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer - Analog / Digital (L.C.: 0.001 mm & Coarser)	Using Gauge Blocks Set & Optical Flat by Comparison Method	0 to 150 mm	4.73 µm



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242	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer - Analog / Digital (L.C.: 0.001 mm & Coarser)	Using Gauge Blocks Set & Optical Flats by Comparison Method	150 mm to 300 mm	4.91 µm
243	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer - Analog / Digital (L.C.: 0.01 mm & Coarser)	Using Gauge Blocks Set & Optical Flats by Comparison Method	300 mm to 600 mm	14.93 µm
244	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer Setting Rod	Using Gauge Blocks Set, Dial Indicator and Comparator Stand by Comparison Method	25 mm to 300 mm	4.58 µm
245	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Digital Micrometer by Direct Method	0.03 mm to 1 mm	1.65 µm
246	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Dial / Digital / Analog (L.C.: 0.01 mm & Coarser)	Using Caliper Checker & Surface Plate by Direct method	0 to 1000 mm	18.87 µm
247	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Dial / Digital / Analog (L.C.: 0.01 mm & Coarser)	Using Slip Gauge Blocks and Surface Table by Direct Method	0 to 300 mm	9.24 µm



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248	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inclinometer - Analog/ Digital (L.C.: 0.005° & Coarser)	Using Angle Gauge Blocks by Direct Method	0° to 360°	1.38 minute of arc
249	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inside Micrometer - Stick / Tubular (L.C.: 0.001 mm & Coarser)	Using Gauge Block Set & Gauge Block Accessories by Direct Method	25 mm to 275 mm	5.42 µm
250	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge (L.C.: 0.001 mm & Coarser)	Using Electronic Dial Calibrator by Comparison Method	0 to 0.2 mm	1.64 µm
251	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge (L.C.: 0.01 mm & Coarser)	Using Electronic Dial Calibrator by Comparison Method	0 to 0.8 mm	3.84 µm
252	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge (L.C.: 0.01 mm & Coarser)	Using Electronic Dial Calibrator by Comparison Method	0 to 1.6 mm	6.90 µm
253	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper/ Leg Caliper (L.C.: 0.01 mm & Coarser)	Using Gauge Blocks Set & Gauge Block Accessories by Direct Method	0 to 220 mm	10.50 µm



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254	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	Using Gauge Blocks Set, Dial Indicator and Comparator Stand by Comparison Method	2 mm to 150 mm	2 µm
255	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge - Analog / Digital (L.C.: 0.001 mm & Coarser)	Using Electronic Dial Calibrator by Comparison Method	0 to 25 mm	1.9 µm
256	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge - Analog / Digital (L.C.: 0.01 mm & Coarser)	Using Electronic Dial Calibrator by Comparison Method	0 to 25 mm	3.52 µm
257	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge	Using Slip Gauge Block by Comparison Method	3 mm to 150 mm	2.25 µm
258	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Gauge, Dial Depth Gauge - Analog / Digital (L.C.: 0.001 mm & Coarser)	Using Slip Gauge Blocks by Direct Method	0 to 10 mm	2 µm
259	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge - Effective Diameter	Using Floating Carriage Diameter Measuring Machine, Cylindrical Setting Master and Thread Measuring Wire by Comparison Method	3 mm to 100 mm	3.1 µm



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260	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge - Major Diameter	Using Floating Carriage Diameter Measuring Machine, Cylindrical Setting Master and Thread Measuring Wire by Comparison Method	3 mm to 100 mm	3.1 µm
261	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Three Point Micrometer - Analog / Digital (L.C.: 0.001 mm & Coarser)	Using Plain Ring Gauges by Comparison Method	3 mm to 10 mm	2.13 µm
262	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Three Point Micrometer - Analog / Digital (L.C.: 0.005 mm & Coarser)	Using Plain Ring Gauges by Comparison Method	10 mm to 100 mm	6.22 µm
263	MECHANICAL-PRESSURE BALANCE OR DEAD WEIGHT TESTER	Pressure Hydraulic Dead weight tester	Using Hydraulic Dead Weight Tester, Cross Float Method as per Euramet cg-3	3.5 bar to 80 bar	0.015 %rdg
264	MECHANICAL-PRESSURE BALANCE OR DEAD WEIGHT TESTER	Pressure Hydraulic Dead weight tester	Using Hydraulic Dead Weight Tester, Cross Float Method as per Euramet cg-3	80 bar to 1200 bar	0.014 %rdg
265	MECHANICAL-PRESSURE INDICATING DEVICES	Differential Pressure Gauge / Transducer / Switch / Manometer / Magnehelic Gauge / Transmitter / Calibrator	Using Pressure Calibrator with Gauge Pressure, Multi function Process calibrator Module by Comparison Method as per DKD R 6-1	0 to 340 mbar	0.22 %rdg



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266	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure - Analog / Digital Pressure Gauge, Pressure Transducer, Pressure Recorder, Pressure Switch, Pressure Logger / Module, Pressure Transmitter, Pressure Calibrator	Using Digital Pressure Gauge, Multi function Process calibrator by Comparison Method as per DKD R 6-1	0 to 1000 bar	0.041 %rdg
267	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure - Analog / Digital Pressure Gauge, Pressure Transducer, Pressure Recorder, Pressure Switch, Pressure Logger / Module, Pressure Transmitter, Pressure Calibrator	Using Pressure Calibrator & Digital Pressure Gauge, Multi function Process calibrator by Comparison Method as per DKD R 6-1	0 to 340 bar	0.18 %rdg
268	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure - Analog / Digital Pressure Gauge, Pressure Transducer, Pressure Recorder, Pressure Switch, Pressure Logger / Module, Pressure Transmitter, Pressure Calibrator	Using Hydraulic Dead Weight Tester, Multi function Process calibrator by Comparison Method as per DKD R 6-1	3,5 bar to 1600 bar	0,057 %rdg



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269	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Analog / Digital Pressure Gauge, Pressure Transducer, Pressure Recorder, Pressure Switch, Pressure Logger / Module, Pressure Transmitter, Pressure Calibrator, Manometer	Using Pressure Calibrator, Multi function Process calibrator by Comparison Method as per DKD R 6-1	0 to 3.5 bar	0.18 %rdg
270	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Analog / Digital Pressure Gauge, Pressure Transducer, Pressure Recorder, Pressure Switch, Pressure Logger / Module, Pressure Transmitter, Pressure Calibrator, Manometer	Using Pressure Calibrator with Gauge Pressure Module & Digital Pressure Gauge by Comparison Method as per DKD R 6-1	0 to 34 bar	0.009 bar
271	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Analog / Digital Vacuum Pressure Gauge, Vacuum Transducer, Vacuum Recorder, Vacuum Switch, Vacuum Logger / Module, Vacuum Calibrator, Manometer	Using Pressure Loop Calibrator & Pressure Calibrator with Gauge Pressure Module & Digital Pressure Gauge by Comparison Method as per ISO 3567	(-) 0.8 bar to 0	0.00079 bar



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272	MECHANICAL-TORQUE GENERATING DEVICES	Hydraulic Torque Wrench	Using Static Torque Transducer with Indicator by Comparison Method as per ISO 6789:2017	200 Nm to 2100 Nm	1.47 %rdg
273	MECHANICAL-TORQUE GENERATING DEVICES	Hydraulic Torque Wrench	Using Static Torque Transducer with Indicator by Comparison Method as per ISO 6789:2017	2100 Nm to 9580 Nm	0.54 %rdg
274	MECHANICAL-TORQUE GENERATING DEVICES	Rotary Torque Tool	Using Static Transducers with Joint Simulation Rundown Assembly and Indicator by Comparison Method as per IS 15411 & ISO 5393	0.5 Nm to 60 Nm	1.54 %rdg
275	MECHANICAL-TORQUE GENERATING DEVICES	Rotary Torque Tool	Using Static Transducers with Joint Simulation Rundown Assembly and Indicator by Comparison Method as per IS 15411 & ISO 5393	150 Nm to 700 Nm	0.9 %rdg
276	MECHANICAL-TORQUE GENERATING DEVICES	Rotary Torque Tool	Using Static Transducers with Joint Simulation Rundown Assembly and Indicator by Comparison Method as per IS 15411 & ISO 5393	60 Nm to 135 Nm	0.83 %rdg



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277	MECHANICAL-TORQUE GENERATING DEVICES	Torque Multiplier	Using Static Torque Transducer with Indicator by Comparison Method	200 Nm to 600 Nm	0.68 %rdg
278	MECHANICAL-TORQUE GENERATING DEVICES	Torque Multiplier	Using Static Torque Transducer with Indicator by Comparison Method	600 Nm to 6000 Nm	0.42 %rdg
279	MECHANICAL-TORQUE GENERATING DEVICES	Torque Multiplier	Using Static Torque Transducer with Indicator by Comparison Method	6000 Nm to 10000 Nm	0.62 %rdg
280	MECHANICAL-TORQUE GENERATING DEVICES	Torque Screw Driver & Torque Wrench - Type I (Class A,B,C,D,E), Type II (Class A,B,C,D,E, F, G) - Clockwise & Counter-Clockwise Direction	Using Static Torque Transducer with Indicator by Comparison Method as per ISO 6789:2017	0.5 Nm to 10 Nm	1.4 %rdg
281	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench - Type I (Class A,B,C,D,E), Type II (Class A,B,C,D,E,F,G) - Clockwise & Counter clockwise Direction	Using Static Torque Transducer with Indicator by Comparison Method as per ISO 6789:2017	25 Nm to 250 Nm	0.61 %rdg
282	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench - Type I (Class A,B,C,D,E), Type II (Class A,B,C,D,E, F, G) - Clockwise & Counter Clockwise Direction	Using Static Torque Transducer with Indicator by Comparison Method as per ISO 6789:2017	100 Nm to 500 Nm	0.61 %rdg



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283	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench - Type I (Class A,B,C), Type II (Class A,B,C,G) - Clockwise Direction	Using Static Torque Transducer with Indicator by Comparison Method as per ISO 6789:2017	10 Nm to 100 Nm	0.92 %rdg
284	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench - Type I (Class A,B,C), Type II (Class A,B,C,G) - Clockwise Direction	Using Static Torque Transducer with Indicator by Comparison Method as per ISO 6789:2017	500 Nm to 1400 Nm	0.36 %rdg
285	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.1 mg)	Using E2 Class Weights by Comparison Method as per OIML R-76-1	0 to 200 g	0.8 mg
286	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class II and Coarser (Readability: 1 mg)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 6 kg	7 mg
287	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class III & Coarser (Readability: 5 g)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 30 kg	5.6 g
288	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class IIII (Readability: 10 g)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 100 kg	11.55 g
289	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature and RH Indicator with probe / Transmitter, Hygrometer	Using SSPRT with 8½ Digit Multimeter, Temperature and Humidity Sensor with Indicator, Temperature and Humidity Generator by Comparison Method	10 °C to 50 °C @ 50 %RH	0.25 °C



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290	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & RH Indicator with probe / Transmitter / Hygrometer	Using Temperature and Humidity Indicator with sensor, Digital Multimeter, Temperature and Humidity Generator by Comparison Method	10 %RH to 95 %RH @ 25 °C	0.67 %RH
291	THERMAL-TEMPERATURE	Dry Block Furnace	Using R Type Thermocouple with 6½ Digit Multimeter by Comparison Method	140 °C to 600 °C	1.07 °C
292	THERMAL-TEMPERATURE	Dry Block Furnace	Using R Type Thermocouple with 6½ Digit Multimeter by Comparison Method	600 °C to 1200 °C	1.32 °C
293	THERMAL-TEMPERATURE	Dry Block Furnace & Fluid Bath	Using SSPRT with 8½ Digit Multimeter by Comparison Method	(-) 15 °C to 140 °C	0.14 °C
294	THERMAL-TEMPERATURE	Infrared Thermometer (Emissivity 0.95)	Using Black Body with Infrared Thermometer by Comparison Method	50 °C to 500 °C	3.96 °C
295	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using SSPRT with 8½ Digit Multimeter & Liquid Bath by Comparison Method	(-) 10 °C to 110 °C	0.58 °C



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296	THERMAL-TEMPERATURE	RTD with Indicator, Thermocouple with Indicator, Temperature Transducer, Data Logger with Sensor, Temperature Switch with Sensor & Temperature Gauge	Using SSPRT with 8½ Digit Multimeter & Dry Block Furnace by Comparison Method	(-) 15 °C to 140 °C	0.03 °C
297	THERMAL-TEMPERATURE	RTD with Indicator, Thermocouple with Indicator, Temperature Transducer, Data Logger with Sensor, Temperature Switch with Sensor & Temperature Gauge	Using SSPRT with 8½ Digit Multimeter & Dry block Furnace by Comparison Method	140 °C to 600 °C	0.2 °C
298	THERMAL-TEMPERATURE	Thermocouple Sensor with Indicator, Temperature transducer, Data Logger with Sensor, Temperature Switch	Using R Type Thermocouple with 6½ Digit Multimeter & Dry Block Furnace by Comparison Method	600 °C to 1200 °C	1.27 °C



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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 5 kHz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	10 mA to 100 mA	0.052 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	1 A to 10 A	0.15 % to 0.3 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	1 A to 10 A	0.15 % to 0.3 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	10 A to 20 A	0.3 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	10 A to 20 A	0.3 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	10 mA to 100 mA	0.052 % to 0.054 %



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7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	10 mA to 100 mA	0.051 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	100 mA to 1 A	0.054 % to 0.15 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter by Direct Method	100 mA to 1 A	0.051 % to 0.15 %
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	100 µA to 100 mA	0.078 % to 0.054 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	30 µA to 100 µA	0.16 % to 0.078 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	100 µA to 100 mA	0.078 % to 0.051 %



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13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	100 mA to 1 A	0.054 % to 0.084 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	100 mA to 1 A	0.052 % to 0.084 %
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	30 µA to 100 µA	0.16 % to 0.078 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	1 A to 10 A	0.084 % to 0.11 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	1 A to 10 A	0.084 % to 0.11 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter, Multi Product Calibrator by Comparison Method	10 A to 20 A	0.11 %



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19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter by Direct Method	10 A to 20 A	0.11 %
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 5 kHz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	100 mA to 1 A	0.052 % to 0.15 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Current @ 50 Hz	Using Precision Current Shunt & 8½ Digit Multimeter by V/R Method	20 A to 100 A	0.66 % to 0.65 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High Voltage Probe with Multimeter by Direct Method	1 kV to 28 kV	5.04 % to 5.62 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Resistance @ 1 kHz	Using LCR Meter by Direct Method	1 kohm to 10 kohm	2.32 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Resistance @ 1 kHz	Using LCR Meter by Direct Method	1 ohm to 1 kohm	0.3 % to 2.32 %



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25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 8½ Digit Multimeter by Direct Method	1 mV to 1 V	0.43 % to 0.017 %
26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 mV to 1 V	0.43 % to 0.32 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 8½ Digit Multimeter by Direct Method	1 V to 30 V	0.017 % to 0.02 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 V to 30 V	0.32 % to 0.02 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz to 500 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	300 mV to 1 V	0.98 % to 3 %
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz to 500 kHz	Using 8½ Digit Multimeter by Direct Method	300 mV to 1 V	0.98 % to 3 %



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31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 mV to 100 mV	0.43 % to 0.024 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	1 mV to 100 mV	0.43 % to 0.024 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 V to 100 V	0.014 % to 0.016 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	10 V to 100 V	0.019 %
35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	100 mV to 10 V	0.02 % to 0.014 %
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	100 mV to 10 V	0.024 % to 0.019 %



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37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	100 V to 1000 V	0.016 % to 0.021 %
38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter by Direct Method	100 V to 1000 V	0.019 % to 0.022 %
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 mV to 10 mV	2.1 % to 0.28 %
40	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter by Direct Method	1 mV to 10 mV	2.49 % to 0.34 %
41	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 mV to 100 mV	0.28 % to 0.1 %
42	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter by Direct Method	10 mV to 100 mV	0.34 % to 0.11 %



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43	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	100 mV to 100 V	0.1 % to 0.078 %
44	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter by Direct Method	100 mV to 100 V	0.11 % to 0.089 %
45	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter by Direct Method	1 nF to 1 µF	1.01 % to 0.61 %
46	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter by Direct Method	100 pF to 1 nF	1.13 % to 1.01 %
47	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 100 Hz	Using LCR Meter by Direct Method	1 µF to 100 µF	0.61 % to 0.14 %
48	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using LCR Meter by Direct Method	1 mH to 10 H	0.3 % to 0.26 %



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49	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1 Ø AC Active Power @ 50 Hz (0.2 Lag, 120 V to 240 V, 0.1 A to 20 A)	Using Multi Product Calibrator by Direct Method	2.4 W to 960 W	1.04 %
50	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1 Ø AC Active Power @ 50 Hz (0.5 Lag, 120 V to 240 V, 0.1 A to 20 A)	Using Multi Product Calibrator by Direct Method	6 W to 2.4 kW	0.36 % to 0.37 %
51	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1 Ø AC Active Power @ 50 Hz (0.8 Lead, 120 V to 240 V, 0.1 A to 20 A)	Using Multi Product Calibrator by Direct Method	9.6 W to 3.84 kW	0.16 %
52	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1 Ø AC Active Power @ 50 Hz (UPF, 120 V to 240 V, 0.01 A to 20 A)	Using Multi Product Calibrator by Direct Method	1.2 W to 4.8 kW	0.49 % to 0.12 %
53	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multi Product Calibrator by Direct Method	10 A to 20 A	3.02 % to 2.35 %
54	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multi Product Calibrator by Direct Method	10 mA to 30 mA	0.085 % to 0.072 %
55	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multi Product Calibrator by Direct Method	3 A to 10 A	0.5 % to 3.02 %



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56	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multi Product Calibrator by Direct Method	30 mA to 300 mA	0.072 % to 0.094 %
57	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multi Product Calibrator by Direct Method	300 mA to 3 A	0.094 % to 0.5 %
58	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	1 mA to 300 mA	0.2 % to 0.15 %
59	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	30 µA to 300 µA	0.50 % to 0.18 %
60	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	300 µA to 1 mA	0.18 % to 0.2 %
61	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	300 mA to 3 A	0.15 %
62	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	1 mA to 300 mA	0.2 % to 0.079 %



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63	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	10 A to 20 A	0.1 % to 0.16 %
64	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	3 A to 10 A	0.15 % to 0.1 %
65	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	30 µA to 300 µA	0.38 % to 0.14 %
66	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	300 µA to 1 mA	0.14 % to 0.2 %
67	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	300 mA to 3 A	0.079 % to 0.15 %
68	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz to 10 kHz	Using Multi Product Calibrator by Direct Method	10 mA to 100 mA	0.18 % to 0.24 %
69	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz to 10 kHz	Using Multi Product Calibrator by Direct Method	100 mA to 300 mA	0.24 % to 0.19 %



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70	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz to 10 kHz	Using Multi Product Calibrator by Direct Method	300 mA to 3 A	0.19 % to 2.33 %
71	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi Product Calibrator with Current Coil by Direct Method	20 A to 1000 A	0.52 % to 0.32 %
72	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Resistance @ 1 kHz	Using Decade Resistance Box by Direct Method	1 ohm to 10 kohm	1.15 % to 0.33 %
73	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	1 mV to 30 mV	2.15 % to 0.17 %
74	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	30 mV to 300 mV	0.17 % to 0.051 %
75	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	300 mV to 30 V	0.051 % to 0.047 %
76	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz to 450 kHz	Using Multi Product Calibrator by Direct Method	30 mV to 3 V	0.94 % to 0.42 %



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77	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 18 kHz to 100 kHz	Using Multi Product Calibrator by Direct Method	10 mV to 30 mV	0.53 % to 0.36 %
78	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 18 kHz to 100 kHz	Using Multi Product Calibrator by Direct Method	3 V to 100 V	0.24 % to 0.25 %
79	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 18 kHz to 100 kHz	Using Multi Product Calibrator by Direct Method	30 mV to 300 mV	0.36 % to 0.23 %
80	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 18 kHz to 100 kHz	Using Multi Product Calibrator by Direct Method	300 mV to 3 V	0.23 % to 0.24 %
81	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 8 kHz	Using Multi Product Calibrator by Direct Method	1 mV to 30 mV	2.15 % to 0.17 %
82	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 8 kHz	Using Multi Product Calibrator by Direct Method	3 V to 30 V	0.034 % to 0.041 %
83	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 8 kHz	Using Multi Product Calibrator by Direct Method	30 mV to 300 mV	0.17 % to 0.044 %



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84	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 8 kHz	Using Multi Product Calibrator by Direct Method	30 V to 300 V	0.041 % to 0.066 %
85	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 8 kHz	Using Multi Product Calibrator by Direct Method	300 mV to 3 V	0.044 % to 0.034 %
86	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 8 kHz	Using Multi Product Calibrator by Direct Method	300 V to 1000 V	0.066 % to 0.073 %
87	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz to 18 kHz	Using Multi Product Calibrator by Direct Method	1 mV to 30 mV	2.15 % to 0.17 %
88	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz to 18 kHz	Using Multi Product Calibrator by Direct Method	3 V to 30 V	0.06 %
89	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz to 18 kHz	Using Multi Product Calibrator by Direct Method	30 mV to 300 mV	0.17 % to 0.06 %
90	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz to 18 kHz	Using Multi Product Calibrator by Direct Method	30 V to 300 V	0.06 % to 0.074 %



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91	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz to 18 kHz	Using Multi Product Calibrator by Direct Method	300 mV to 3 V	0.06 %
92	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Capacitance Box by Direct Method	1 µF to 10 µF	1.16 % to 5.79 %
93	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	1 nF to 1 µF	1.16 %
94	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	100 pF to 1 nF	1.16 %
95	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Decade Capacitance Box by Direct Method	10 µF to 100 µF	5.79 % to 0.61 %
96	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multi Product Calibrator by Direct Method	100 µF to 110 µF	0.61 % to 0.6 %
97	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box by Direct Method	1 mH to 10 H	3.72 %



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98	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.2 PF (Lag)	0.002 PF
99	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.2 PF (Lead)	0.0026 PF
100	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.5 PF (Lag)	0.0019 PF
101	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.5 PF (Lead)	0.0019 PF
102	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.8 PF (Lag)	0.0013 PF
103	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	0.8 PF (Lead)	0.0013 PF
104	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz (230 V, 5 A)	Using Multi Product Calibrator by Direct Method	UPF	0.0007 PF



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105	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 µA to 10 µA	0.13 % to 0.01 %
106	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 µA to 10 µA	0.089 % to 0.01 %
107	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 A to 10 A	0.021 % to 0.045 %
108	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 A to 10 A	0.021 % to 0.045 %
109	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 mA to 10 mA	0.0025 %
110	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 mA to 10 mA	0.0025 %
111	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 µA to 100 µA	0.01 % to 0.0026 %



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112	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 µA to 100 µA	0.01 % to 0.0028 %
113	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 A to 20 A	0.045 % to 0.043 %
114	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 A to 20 A	0.045 % to 0.043 %
115	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 mA to 100 mA	0.0025 % to 0.0058 %
116	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 mA to 100 mA	0.0025 % to 0.0058 %
117	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	100 µA to 1 mA	0.0026 % to 0.0025 %
118	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	100 µA to 1 mA	0.0028 % to 0.0025 %



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119	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	100 mA to 1 A	0.0058 % to 0.021 %
120	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	100 mA to 1 A	0.0058 % to 0.021 %
121	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Current	Using Precision Current Shunt & 8½ Digit Reference Multimeter by V/R Method	20 A to 100 A	0.29 % to 0.59 %
122	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using High Voltage Probe with Multimeter by Direct Method	1 kV to 30 kV	2.11 % to 2.85 %
123	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	0.1 mV to 1 mV	0.79 % to 0.078 %
124	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	0.1 mV to 1 mV	0.79 % to 0.079 %
125	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	1 mV to 10 mV	0.078 % to 0.0083 %



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126	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 mV to 10 mV	0.079 % to 0.0083 %
127	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	1 V to 10 V	0.00051 % to 0.00074 %
128	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	1 V to 10 V	0.00058 % to 0.00076 %
129	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	10 mV to 1 V	0.0083 % to 0.00051 %
130	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 mV to 1 V	0.0083 % to 0.00058 %
131	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	10 V to 100 V	0.00074 % to 0.00094 %
132	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	10 V to 100 V	0.00076 % to 0.00094 %



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133	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	100 V to 1000 V	0.00094 % to 0.00089 %
134	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator by Comparison Method	100 V to 1000 V	0.00094 % to 0.00101 %
135	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	1 Gohm to 10 Gohm	0.043 % to 0.26 %
136	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 8½ Digit Multimeter and Multi Product Calibrator by Substitute Method	1 Mohm to 100 Mohm	0.0021 % to 0.037 %
137	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	1 Mohm to 10 Mohm	0.012 % to 0.0021 %
138	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter by Direct Method	1 Mohm to 100 Mohm	0.0021 % to 0.022 %
139	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	10 Mohm to 100 Mohm	0.0021 % to 0.0097 %



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140	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 8½ Digit Multimeter and Multi Product Calibrator by Substitute Method	100 kohm to 1 Mohm	0.0012 % to 0.0021 %
141	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter by Direct Method	100 kohm to 1 Mohm	0.0011 % to 0.0021 %
142	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 8½ Digit Multimeter and Multi Product Calibrator by Substitute Method	100 Mohm to 1 Gohm	0.037 % to 0.64 %
143	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	100 Mohm to 1 Gohm	0.0097 % to 0.043 %
144	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 wire)	Using 8½ Digit Multimeter by Direct Method	100 Mohm to 1 Gohm	0.022 % to 0.635 %
145	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter by Direct Method	0.5 ohm to 1 ohm	0.0397 % to 0.0048 %
146	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter and Multi Product Calibrator by Substitute Method	0.5 ohm to 1 ohm	0.20 % to 0.0094 %



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147	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter by Direct Method	1 ohm to 100 ohm	0.0048 % to 0.001 %
148	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter and Multi Product Calibrator by Substitute Method	1 ohm to 100 ohm	0.0094 % to 0.0011 %
149	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter and Multi Product Calibrator by Substitute Method	100 ohm to 100 kohm	0.0011 % to 0.0012 %
150	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 8½ Digit Multimeter by Direct Method	100 ohm to 100 kohm	0.001 % to 0.0011 %
151	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	1 µA to 10 µA	2.02 % to 0.17 %
152	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	1 A to 10 A	0.033 % to 0.051 %
153	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	1 mA to 100 mA	0.012 % to 0.0099 %



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154	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	10 µA to 100 µA	0.17 % to 0.035 %
155	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	10 A to 20 A	0.051 % to 0.11 %
156	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	100 µA to 300 µA	0.035 % to 0.022 %
157	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	100 mA to 1 A	0.0099 % to 0.033 %
158	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator with Current Coil by Direct Method	20 A to 1000 A	0.38 % to 0.26 %
159	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	300 µA to 1 mA	0.022 % to 0.012 %
160	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1 V to 1000 V, 0.01 A to 20 A)	Using Multi Product Calibrator by Direct Method	0.01 W to 500 W	0.096 % to 0.082 %



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161	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1 V to 1000 V, 0.01 A to 20 A)	Using Multi Product Calibrator by Direct Method	500 W to 19.95 kW	0.082 % to 0.11 %
162	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	0.1 mV to 1 mV	3.011 % to 0.24 %
163	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	1 mV to 10 mV	0.24 % to 0.028 %
164	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	10 mV to 100 mV	0.028 % to 0.007 %
165	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	100 mV to 100 V	0.007 % to 0.0054 %
166	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	100 V to 1000 V	0.0054 % to 0.0057 %
167	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Mega Ohm Box by Direct Method	0.1 Mohm to 100 Mohm	0.67 % to 1.2 %



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168	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multi Product Calibrator by Direct Method	1 Mohm to 10 Mohm	0.012 % to 0.047 %
169	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Standard Resistor by Direct Method	10 Mohm	0.58 %
170	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multi Product Calibrator by Direct Method	10 Mohm to 100 Mohm	0.047 % to 0.39 %
171	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Decade Resistance Box by Direct Method	100 Gohm to 1000 Gohm	2.81 % to 4.58 %
172	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multi Product Calibrator by Direct Method	100 kohm to 1 Mohm	0.009 % to 0.012 %
173	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Mega Ohm Box by Direct Method	100 Mohm to 10 Gohm	1.2 % to 2.32 %
174	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multi Product Calibrator by Direct Method	100 Mohm to 1000 Mohm	0.39 % to 1.552 %



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175	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Multi Product Calibrator by Direct Method	0.1 ohm to 1 ohm	0.79 % to 0.09 %
176	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Micro / Milli Ohm Meter Calibrator by Direct Method	1 mohm to 100 mohm	0.17 % to 0.062 %
177	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Multi Product Calibrator by Direct Method	1 ohm to 10 ohm	0.09 % to 0.017 %
178	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Micro / Milli Ohm Meter Calibrator by Direct Method	10 µohm to 100 µohm	2.53 % to 0.58 %
179	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Multi Product Calibrator by Direct Method	10 ohm to 100 ohm	0.017 % to 0.0084 %
180	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Micro / Milli Ohm Meter Calibrator by Direct Method	100 µohm to 1 mohm	0.58 % to 0.17 %
181	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Micro / Milli Ohm Meter Calibrator by Direct Method	100 mohm to 2 ohm	0.062 % to 0.036 %



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182	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Multi Product Calibrator by Direct Method	100 ohm to 100 kohm	0.0084 % to 0.009 %
183	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth @ 50 kHz (30 mVp-p to 5.5 Vp-p)	Using Multi Product Calibrator with Scope Option by Direct Method	100 MHz to 600 MHz	3.46 % to 4.5 %
184	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth @ 50 kHz (30 mVp-p to 5.5 Vp-p)	Using Multi Product Calibrator with Scope Option by Direct Method	50 kHz to 100 MHz	2.35 % to 3.46 %
185	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - DC Amplitude (Vertical Axis Deflection Factor) @ Impedance: 1 Mohm	Using Multi Product Calibrator with Scope Option by Direct Method	2 mV to 130 V	2.37 % to 0.4 %
186	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - DC Amplitude (Vertical Axis Deflection Factor) @ Impedance: 50 Ohm	Using Multi Product Calibrator with Scope Option by Direct Method	2 mV to 6.5 V	2.6 % to 0.29 %
187	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Level Sine Wave Frequency	Using Multi Product Calibrator with Scope Option by Direct Method	50 kHz to 600 MHz	0.0005 %
188	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Square Wave Amplitude (Vertical Axis Deflection Factor) @ 10 Hz to 10 kHz Impedance: 1 Mohm	Using Multi Product Calibrator with Scope Option by Direct Method	2 mV (p-p) to 100 V (p-p)	1.77 % to 0.32 %



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189	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Square Wave Amplitude (Vertical Axis Deflection Factor) @ 10 Hz to 10 kHz Impedance: 50 Ohm	Using Multi Product Calibrator with Scope Option by Direct Method	2 mV (p-p) to 6.5 V (p-p)	2.55 % to 0.57 %
190	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Time Marker (Horizontal Axis Deflection Factor)	Using Multi Product Calibrator with Scope Option by Direct Method	2 ns to 50 ms	0.043 % to 0.009 %
191	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Time Marker (Horizontal Axis Deflection Factor)	Using Multi Product Calibrator with Scope Option by Direct Method	50 ms to 5 s	0.009 % to 0.58 %
192	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT-100)	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 800 °C	0.07 °C
193	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple B Type	Using 8½ Digit Multimeter by Direct Method	600 °C to 1800 °C	0.2 °C
194	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple E Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 950 °C	0.075 °C
195	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple J Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1200 °C	0.075 °C



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196	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple K Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1350 °C	0.077 °C
197	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple N Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1300 °C	0.15 °C
198	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple R Type	Using 8½ Digit Multimeter by Direct Method	50 °C to 1600 °C	0.17 °C
199	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple S Type	Using 8½ Digit Multimeter by Direct Method	50 °C to 1600 °C	0.13 °C
200	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple T Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 400 °C	0.1 °C
201	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT-100)	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 800 °C	0.3 °C
202	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple B Type	Using Multi Product Calibrator by Direct Method	600 °C to 1800 °C	0.71 °C



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203	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple E Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 950 °C	0.16 °C
204	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple J Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1200 °C	0.18 °C
205	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple K Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1350 °C	0.24 °C
206	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple N Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.39 °C
207	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple R Type	Using Multi Product Calibrator by Direct Method	50 °C to 1600 °C	0.59 °C
208	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple S Type	Using Multi Product Calibrator by Direct Method	50 °C to 1600 °C	0.69 °C
209	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple T Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 400 °C	0.24 °C



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210	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct Method	1 MHz to 1000 MHz	0.0577 % to 0.000165 %
211	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	10 Hz to 100 kHz	0.76 % to 0.012 %
212	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	100 kHz to 1000 kHz	0.012 %
213	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	1000 s to 9000 s	0.059 % to 0.058 %
214	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	10 Hz to 100 Hz	0.068 % to 0.0027 %
215	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	100 Hz to 100 kHz	0.0027 % to 0.0021 %
216	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	100 kHz to 1 MHz	0.0021 % to 0.0577 %



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217	MECHANICAL-PRESSURE INDICATING DEVICES	Differential Pressure Gauge / Transducer / Switch / Manometer / Magnehelic Gauge / Transmitter / Calibrator	Using Pressure Calibrator with Gauge Pressure, Multi function Process calibrator Module by Comparison Method as per DKD R 6-1	0 to 340 mbar	0.22 %rdg
218	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure - Analog / Digital Pressure Gauge, Pressure Transducer, Pressure Recorder, Pressure Switch, Pressure Logger / Module, Pressure Transmitter, Pressure Calibrator	Using Digital Pressure Gauge, Multi function Process calibrator by Comparison Method as per DKD R 6-1	0 to 1000 bar	0.041 %rdg
219	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure - Analog / Digital Pressure Gauge, Pressure Transducer, Pressure Recorder, Pressure Switch, Pressure Logger / Module, Pressure Transmitter, Pressure Calibrator	Using Pressure Calibrator & Digital Pressure Gauge, Multi function Process calibrator by Comparison Method as per DKD R 6-1	0 to 340 bar	0.18 %rdg



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S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
220	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Analog / Digital Pressure Gauge, Pressure Transducer, Pressure Recorder, Pressure Switch, Pressure Logger / Module, Pressure Transmitter, Pressure Calibrator, Manometer	Using Pressure Calibrator, Multi function Process calibrator by Comparison Method as per DKD R 6-1	0 to 3.5 bar	0.18 %rdg
221	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Analog / Digital Pressure Gauge, Pressure Transducer, Pressure Recorder, Pressure Switch, Pressure Logger / Module, Pressure Transmitter, Pressure Calibrator, Manometer	Using Pressure Calibrator with Gauge Pressure Module & Digital Pressure Gauge by Comparison Method as per DKD R 6-1	0 to 34 bar	0.009 bar
222	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Analog / Digital Vacuum Pressure Gauge, Vacuum Transducer, Vacuum Recorder, Vacuum Switch, Vacuum Logger / Module, Vacuum Calibrator, Manometer	Using Pressure Loop Calibrator & Pressure Calibrator with Gauge Pressure Module & Digital Pressure Gauge by Comparison Method as per ISO 3567	(-) 0.8 bar to 0	0.00079 bar



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223	MECHANICAL-TORQUE GENERATING DEVICES	Torque Screw Driver & Torque Wrench - Type I (Class A,B,C,D,E), Type II (Class A,B,C,D,E, F, G) - Clockwise & Counter-Clockwise Direction	Using Static Torque Transducer with Indicator by Comparison Method as per ISO 6789:2017	0.5 Nm to 10 Nm	1.4 %rdg
224	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 0.1 mg)	Using E2 Class Weights by Comparison Method as per OIML R-76-1	0 to 200 g	0.8 mg
225	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class II and Coarser (Readability: 1 mg)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 6 kg	7 mg
226	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class III & Coarser (Readability: 5 g)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 30 kg	5.6 g
227	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class III (Readability: 10 g)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 100 kg	11.55 g
228	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class III (Readability: 20 g)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 300 kg	42 g
229	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature and RH Indicator with probe / Transmitter, Hygrometer	Using SSPRT with 8½ Digit Multimeter, Temperature and Humidity Sensor with Indicator, Temperature and Humidity Generator by Comparison Method	10 °C to 50 °C @ 50 %RH	0.25 °C



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230	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & RH Indicator with probe / Transmitter / Hygrometer	Using Temperature and Humidity Indicator with sensor, Digital Multimeter, Temperature and Humidity Generator by Comparison Method	10 %RH to 95 %RH @ 25 °C	0.67 %RH
231	THERMAL-TEMPERATURE	Dry Block Furnace	Using R Type Thermocouple with 6½ Digit Multimeter by Comparison Method	140 °C to 600 °C	1.07 °C
232	THERMAL-TEMPERATURE	Dry Block Furnace	Using R Type Thermocouple with 6½ Digit Multimeter by Comparison Method	600 °C to 1200 °C	1.32 °C
233	THERMAL-TEMPERATURE	Dry Block Furnace & Fluid Bath	Using SSPRT with 8½ Digit Multimeter by Comparison Method	(-) 15 °C to 140 °C	0.14 °C
234	THERMAL-TEMPERATURE	Furnace & Oven - Multi Position	Using Thermocouples with Paperless Recorder (Minimum 9 Sensors)by Comparison Method	200 °C to 800 °C	4.0 °C
235	THERMAL-TEMPERATURE	Furnace - Multi Position	Using Thermocouples with Paperless Recorder (Minimum 9 Sensors) by Comparison Method	800 °C to 1200 °C	4.4 °C



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236	THERMAL-TEMPERATURE	Infrared Thermometer (Emissivity 0.95)	Using Black Body with Infrared Thermometer by Comparison Method	50 °C to 500 °C	3.96 °C
237	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using SSPRT with 8½ Digit Multimeter & Liquid Bath by Comparison Method	(-) 10 °C to 110 °C	0.58 °C
238	THERMAL-TEMPERATURE	Oven, Freezer, Refrigerator - Multi Position	Using RTD Sensor with Paperless Recorder (Minimum 9 Sensors) by Comparison Method	(-) 80 °C to 200 °C	2.9 °C
239	THERMAL-TEMPERATURE	RTD with Indicator, Thermocouple with Indicator, Temperature Transducer, Data Logger with Sensor, Temperature Switch with Sensor & Temperature Gauge	Using SSPRT with 8½ Digit Multimeter & Dry Block Furnace by Comparison Method	(-) 15 °C to 140 °C	0.03 °C
240	THERMAL-TEMPERATURE	RTD with Indicator, Thermocouple with Indicator, Temperature Transducer, Data Logger with Sensor, Temperature Switch with Sensor & Temperature Gauge	Using SSPRT with 8½ Digit Multimeter & Dry block Furnace by Comparison Method	140 °C to 600 °C	0.2 °C
241	THERMAL-TEMPERATURE	Thermocouple Sensor with Indicator, Temperature transducer, Data Logger with Sensor, Temperature Switch	Using R Type Thermocouple with 6½ Digit Multimeter & Dry Block Furnace by Comparison Method	600 °C to 1200 °C	1.27 °C



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

