



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, BENGALURU URBAN, KARNATAKA,
INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 07/11/2023 to 06/11/2025 **Last Amended on** 10/12/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 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 and Multi Product Calibrator as Source by Comparison Method	1 A to 10 A	0.15 % to 0.296 %
3	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 0.296 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 A to 20 A	0.296%



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5	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	0.296%
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 mA to 100 mA	0.051 % to 0.054 %
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 and Multi Product Calibrator as Source 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 %



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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source 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 and Multi Product Calibrator as Source by Comparison Method	30 µA to 100 µA	0.155 % 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	0.077 % to 0.051 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source 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	30 µA to 100 µA	0.154 % to 0.077 %



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15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 A to 10 A	0.084 % to 0.11 %
16	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 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 A to 20 A	0.11%
18	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%
19	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 %



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20	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	0.051 % to 0.084 %
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	0.662 % 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	0.1%
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 0.1 %



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25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 45 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 to 45 Hz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 mV to 1 V	0.43 % to 0.321 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 45 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 to 45 Hz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 V to 30 V	0.321 % 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 as Source by Comparison Method	300 mV to 1 V	0.98 % to 3 %



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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 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 mV to 100 mV	0.43 % to 0.02 %
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 0.0231 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source 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	0.0185 % to 0.0186 %



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35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source 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	0.0231 % to 0.0185 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source 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	0.0186 % to 0.0215 %
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 mV to 10 mV	2.1 % to 0.28 %



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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 as Source 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 %
43	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source 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 %



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45	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter by Direct Method	1 nF to 1 μ F	1.01 % to 0.61 %
46	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter by Direct Method	10 pF to 100 pF	1.22 % to 1.13 %
47	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 %
48	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 100 Hz	Using LCR Meter by Direct Method	1 μ F to 100 μ F	0.61 % to 0.14 %
49	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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50	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	2.35%
51	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	0.089 % to 0.072 %
52	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	0.493 % to 2.35 %
53	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 %
54	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 0.493 %
55	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	0.182 % to 0.15 %



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56	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	30 μ A to 300 μ A	0.43 % to 0.182 %
57	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	300 μ A to 1 mA	0.182%
58	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%
59	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	0.11 % to 0.079 %
60	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 0.14 %
61	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 %



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62	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	30 μ A to 300 μ A	0.38 % to 0.14 %
63	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	300 μ A to 1 mA	0.14 % to 0.09 %
64	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 %
65	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 0.237 %
66	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	0.237 % to 0.183 %
67	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	0.183 % to 2.327 %



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68	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 %
69	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC 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%
70	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC 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 %
71	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC 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%
72	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC 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	0.092 % to 0.12 %
73	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 0.12 %



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74	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	1.67 % to 0.17 %
75	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 %
76	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 %
77	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 %
78	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 %
79	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	0.18 % to 0.25 %



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80	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 0.224 %
81	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	0.224 % to 0.18 %
82	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	1.67 % to 0.17 %
83	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 %
84	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 %
85	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 %



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86	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 %
87	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 %
88	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	1.67 % to 0.17 %
89	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%
90	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 %
91	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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92	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%
93	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 %
94	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	1 nF to 1 µF	1.16%
95	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	10 pF to 100 pF	1.6 % to 1.16 %
96	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	100 pF to 1 nF	1.16%
97	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 %



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98	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multi Product Calibrator by Direct Method	100 μ F to 110 μ F	0.61 % to 0.596 %
99	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box by Direct Method	1 mH to 10 H	2.31%
100	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	0.2 Lag	0.002PF
101	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	0.2 Lead	0.002PF
102	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	0.5 Lag	0.0019PF
103	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	0.5 Lead	0.0019PF



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104	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	0.8 Lag	0.0013PF
105	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	0.8 Lead	0.0013PF
106	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	UPF	0.0007PF
107	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 µA to 10 µA	0.0934 % to 0.01 %
108	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 µA to 10 µA	0.089 % to 0.01 %
109	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 A to 10 A	0.0205 % to 0.045 %



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110	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 A to 10 A	0.021 % to 0.045 %
111	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 mA to 10 mA	0.0025%
112	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 mA to 10 mA	0.0025%
113	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 µA to 100 µA	0.01 % to 0.0026 %
114	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 µA to 100 µA	0.01 % to 0.0028 %
115	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 A to 20 A	0.045 % to 0.043 %



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116	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 A to 20 A	0.045 % to 0.043 %
117	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 mA to 100 mA	0.0025 % to 0.0058 %
118	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 mA to 100 mA	0.0025 % to 0.0058 %
119	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	100 µA to 1 mA	0.0026 % to 0.0025 %
120	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	100 µA to 1 mA	0.0028 % to 0.0025 %
121	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	100 mA to 1 A	0.0058 % to 0.0205 %



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122	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	100 mA to 1 A	0.0058 % to 0.021 %
123	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 %
124	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 %
125	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	0.01 Ohm to 0.1 Ohm	0.46 % to 0.07 %
126	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	0.1 Ohm to 1 Ohm	0.07 % to 0.0094 %
127	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 Mohm to 100 Mohm	0.0021 % to 0.0363 %



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128	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 Ohm to 100 Ohm	0.0094 % to 0.0011 %
129	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	100 kohm to 1 Mohm	0.0012 % to 0.0021 %
130	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	100 Mohm to 1 Gohm	0.0363 % to 0.635 %
131	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	100 Ohm to 100 kohm	0.0011 % to 0.0012 %
132	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 %
133	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	0.1 mV to 1 mV	0.79 % to 0.079 %



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134	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	1 mV to 10 mV	0.078 % to 0.0083 %
135	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 mV to 10 mV	0.079 % to 0.0083 %
136	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	1 V to 10 V	0.00051 % to 0.00074 %
137	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 V to 10 V	0.00058 % to 0.00076 %
138	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	10 mV to 1 V	0.0083 % to 0.00051 %
139	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 mV to 1 V	0.0083 % to 0.00058 %



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140	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	10 V to 100 V	0.00074 % to 0.00094 %
141	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 V to 100 V	0.00076 % to 0.00094 %
142	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	100 V to 1000 V	0.00094 % to 0.00089 %
143	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	100 V to 1000 V	0.00094 % to 0.00089 %
144	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	High Voltage Resistance	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	1 Gohm to 10 Gohm	0.043 % to 0.26 %
145	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	High Voltage Resistance	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	1 Mohm to 10 Mohm	0.0115 % to 0.0021 %



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146	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	High Voltage Resistance	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	10 Mohm to 100 Mohm	0.0021 % to 0.0097 %
147	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	High Voltage Resistance	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	100 Mohm to 1 Gohm	0.0097 % to 0.043 %
148	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	0.01 Ohm to 0.1 Ohm	0.39 % to 0.0397 %
149	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	0.1 Ohm to 1 Ohm	0.0397 % to 0.0048 %
150	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	1 Ohm to 100 Ohm	0.0048 % to 0.001 %
151	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	1 Mohm to 100 Mohm	0.0021 % to 0.022 %



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152	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	100 kohm to 1 Mohm	0.0011 % to 0.0021 %
153	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	100 Mohm to 1 Gohm	0.022 % to 0.635 %
154	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	100 Ohm to 100 kohm	0.001 % to 0.0011 %
155	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	1 µA to 10 µA	1.56 % to 0.17 %
156	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	1 A to 10 A	0.033 % to 0.0505 %
157	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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158	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	10 μ A to 100 μ A	0.17 % to 0.035 %
159	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	10 A to 20 A	0.0505 % to 0.0806 %
160	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	100 μ A to 300 μ A	0.035 % to 0.022 %
161	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	100 mA to 1 A	0.0099 % to 0.033 %
162	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 %
163	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	300 μ A to 1 mA	0.022 % to 0.012 %



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164	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Hi Voltage Resistance	Using Decade Resistance Box by Direct Method	100 Gohm to 1000 Gohm	2.81 % to 4.58 %
165	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Voltage Resistance	Using Mega Ohm Box by Direct Method	0.1 Mohm to 100 Mohm	0.58 % to 1.2 %
166	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Voltage Resistance	Using Decade Resistance Box by Direct Method	10 Gohm to 100 Gohm	2.32 % to 2.81 %
167	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Voltage Resistance	Using Standard Resistor by Direct Method	10 Mohm	0.58%
168	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Voltage Resistance	Using Mega Ohm Box by Direct Method	100 Mohm to 10 Gohm	1.2 % to 2.32 %
169	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1V to 1000V, 0.01A to 20A)	Using Multi Product Calibrator by Direct Method	0.01 W to 500 W	0.096 % to 0.082 %



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170	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1V to 1000V, 0.01A to 20A)	Using Multi Product Calibrator by Direct Method	500 W to 20 kW	0.082%
171	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	0.1 mV to 1 mV	2.34 % to 0.24 %
172	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	1 mV to 10 mV	0.24 % to 0.028 %
173	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	10 mV to 100 mV	0.028 % to 0.007 %
174	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	100 mV to 100 V	0.007 % to 0.0054 %
175	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	100 V to 1000 V	0.0054 % to 0.0045 %



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176	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Low Resistance	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)	Low Resistance	Using Micro / Milli Ohm Meter Calibrator by Direct Method	10 µOhm to 100 µOhm	2.53 % to 0.58 %
178	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Low Resistance	Using Micro / Milli Ohm Meter Calibrator by Direct Method	100 µOhm to 1 mOhm	0.58 % to 0.17 %
179	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Low Resistance	Using Micro / Milli Ohm Meter Calibrator by Direct Method	100 mOhm to 2 Ohm	0.062 % to 0.036 %
180	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	0.1 Ohm to 1 Ohm	0.79 % to 0.09 %
181	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	1 Mohm to 10 Mohm	0.012 % to 0.047 %



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182	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	1 Ohm to 10 Ohm	0.09 % to 0.0172 %
183	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	10 Mohm to 100 Mohm	0.047 % to 0.39 %
184	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	10 Ohm to 100 Ohm	0.0172 % to 0.0084 %
185	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	100 kohm to 1 Mohm	0.009 % to 0.012 %
186	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	100 Mohm to 1000 Mohm	0.39 % to 1.21 %
187	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	100 Ohm to 100 kohm	0.0084 % to 0.009 %



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188	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 %
189	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 %
190	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 %
191	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 %
192	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	0.0002%



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193	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 0.21 %
194	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 %
195	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	0.0003 % to 0.009 %
196	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 %
197	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 800 °C	0.07°C



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198	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple B Type	Using 8½ Digit Multimeter by Direct Method	600 °C to 1800 °C	0.2°C
199	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple E Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 950 °C	0.075°C
200	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple J Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1200 °C	0.075°C
201	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple K Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1350 °C	0.077°C
202	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple N Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1300 °C	0.15°C
203	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple R Type	Using 8½ Digit Multimeter by Direct Method	50 °C to 1600 °C	0.171°C



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204	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple S Type	Using 8½ Digit Multimeter by Direct Method	50 °C to 1600 °C	0.133°C
205	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple T Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 400 °C	0.1°C
206	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 800 °C	0.23°C
207	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple B Type	Using Multi Product Calibrator by Direct Method	600 °C to 1800 °C	0.71°C
208	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple E Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 950 °C	0.16°C
209	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple J Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1200 °C	0.18°C



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210	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple K Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1350 °C	0.24°C
211	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple N Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.39°C
212	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple R Type	Using Multi Product Calibrator by Direct Method	50 °C to 1600 °C	0.59°C
213	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple S Type	Using Multi Product Calibrator by Direct Method	50 °C to 1600 °C	0.69°C
214	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple T Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 400 °C	0.24°C
215	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct Method	1 MHz to 1000 MHz	0.000165%



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216	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	10 Hz to 100 kHz	0.76 % to 0.012 %
217	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	100 kHz to 1000 kHz	0.012%
218	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	10 s to 1000 s	0.84 % to 0.059 %
219	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	1000 s to 9000 s	0.059 % to 0.058 %
220	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	10 Hz to 100 Hz	0.0097 % to 0.0027 %
221	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	100 Hz to 100 kHz	0.0027 % to 0.0021 %



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222	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	100 kHz to 1 MHz	0.0021 % to 0.00194 %
223	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Direct Method	94 & 114 dB	0.96dB
224	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor - Analog / Digital (L.C.: 0.005° & Coarser)	Using Angle Gauge Blocks & Accessories by Direct Method	0 to 360 °	1.38minute of arc
225	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	1.96μm
226	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge - Transmission Error (L.C.: 0.01 mm)	Using Electronic Dial Calibrator by Comparison Method	0 to 2 mm	7μm



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227	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Digital / Dial / Vernier (L.C.: 0.01 mm & Coarser)	Using Gauge Blocks Set, Cylindrical Pin Gauge, Ring Gauges & Vernier Caliper Checker by Direct Method	0 to 1000 mm	18.77µm
228	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Digital / Dial / Vernier (L.C.: 0.01 mm & Coarser)	Using Gauge Blocks Set, Cylindrical Pin Gauge, Ring Gauge by Direct Method	0 to 150 mm	9.08µm
229	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Digital / Dial / Vernier (L.C.: 0.01 mm & Coarser)	Using Slip Gauge Blocks, Cylindrical Pin Gauge, Ring Gauge & Caliper Checker by Direct Method	0 to 600 mm	12.55µm
230	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Digital / Dial / Vernier (L.C.: 0.01 mm & Coarser)	Using Slip Gauge Set, Cylindrical Pin Gauge, Ring Gauges by Direct Method	0 to 300 mm	9.14µm
231	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	7.7µm



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232	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	4.42µm
233	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	6.33µm
234	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	3.9µm
235	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	4.73µm
236	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	4.91µm



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237	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	14.93µm
238	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	4.58µm
239	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Digital Micrometer by Direct Method	0.03 mm to 1 mm	2.23µm
240	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	18.87µm
241	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	9.24µm



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242	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	5.42µm
243	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	1.64µm
244	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	3.84µm
245	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	6.90µm
246	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper (L.C.: 0.1 mm & Coarser)	Using Gauge Blocks Set & Gauge Block Accessories by Direct Method	0 to 220 mm	35.75µm



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247	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 μ m
248	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 12.7 mm	1.9 μ m
249	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 12.5 mm	3.35 μ m
250	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge	Using Slip Gauge Block by Comparison Method	3 mm to 150 mm	2.25 μ m
251	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Gauge - Analog / Digital (L.C.: 0.001 mm & Coarser)	Using Slip Gauge Blocks by Direct Method	0 to 10 mm	2 μ m



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252	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	3.1µm
253	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	3.1µm
254	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	2.13µm
255	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	6.22µm
256	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



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257	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
258	MECHANICAL-PRESSURE INDICATING DEVICES	Differential Pressure Gauge / Transducer / Switch / Manometer / Magnehelic Gauge / Transmitter / Calibrator	Using Pressure Calibrator with Gauge Pressure Module by Comparison Method as per DKD R 6-1	0 to 340 mbar	0.22%rdg
259	MECHANICAL-PRESSURE INDICATING DEVICES	Differential Pressure Gauge / Transducer / Transmitter / Calibrator	Using Pressure Calibrator with Gauge Pressure Module by Comparison Method as per DKD R 6-1	0 to 100 mbar	0.15%rdg
260	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 by Comparison Method as per DKD R 6-1	0 to 1000 bar	0.041%rdg



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261	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 by Comparison Method as per DKD R 6-1	0 to 340 bar	0.18%rdg
262	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 by Comparison Method as per DKD R 6-1	3.5 bar to 1600 bar	0.022%rdg



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263	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 by Comparison Method as per DKD R 6-1	0 to 3.5 bar	0.157%rdg
264	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	1.22%rdg



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265	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 bar	0.00079bar
266	MECHANICAL-TORQUE GENERATING DEVICES	Hydraulic Torque Wrench	Using Static Torque Transducer with Indicator by Comparison Method	200 Nm to 2100 Nm	0.56%rdg
267	MECHANICAL-TORQUE GENERATING DEVICES	Hydraulic Torque Wrench	Using Static Torque Transducer with Indicator by Comparison Method	2100 Nm to 9580 Nm	0.54%rdg
268	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	0.84%rdg



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269	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
270	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 150 Nm	0.83%rdg
271	MECHANICAL-TORQUE GENERATING DEVICES	Torque Multiplier	Using Static Torque Transducer with Indicator by Comparison Method	200 Nm to 600 Nm	0.68%rdg
272	MECHANICAL-TORQUE GENERATING DEVICES	Torque Multiplier	Using Static Torque Transducer with Indicator by Comparison Method	600 Nm to 6000 Nm	0.42%rdg
273	MECHANICAL-TORQUE GENERATING DEVICES	Torque Multiplier	Using Static Torque Transducer with Indicator by Comparison Method	6000 Nm to 10000 Nm	0.26% rdg



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274	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 Direction	Using Static Torque Transducer with Indicator by Comparison Method as per ISO 6789-1:2017 and ISO 6789-2:2017	0.5 Nm to 10 Nm	1.4%rdg
275	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 & Counterclock wise Direction	Using Static Torque Transducer with Indicator by Comparison Method as per ISO 6789-1:2017 and ISO 6789-2:2017	25 Nm to 250 Nm	0.43%rdg
276	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 Direction	Using Static Torque Transducer with Indicator by Comparison Method as per ISO 6789-1:2017 and ISO 6789-2:2017	10 Nm to 100 Nm	0.43%rdg
277	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 Direction	Using Static Torque Transducer with Indicator by Comparison Method as per ISO 6789-1:2017 and ISO 6789-2:2017	100 Nm to 500 Nm	0.43%rdg



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278	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 Direction	Using Static Torque Transducer with Indicator by Comparison Method as per ISO 6789-1:2017 and ISO 6789-2:2017	500 Nm to 1400 Nm	0.36%rdg
279	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 1 mg)	Using E2 Class Weights by Comparison Method as per OIML R-76-1	0 to 200 g	2.12mg
280	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class II and Coarser (Readability: 10 mg)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 6 kg	7mg
281	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	2.91g
282	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 100 kg	11.55g



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283	THERMAL-SPECIFIC HEAT & HUMIDITY	RH Indicator / Transmitter / Hygrometer / RH Indicator with sensor @ 25°C	Using Temperature and Humidity Sensor, Digital Multimeter and Temperature and Humidity Generator by Comparison Method	10 %RH to 95 %RH	0.7%RH
284	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature of RH Indicator / Transmitter, Hygrometer, Temperature of RH indicator with Sensor @ 50 %RH	Using SSPRT with 8½ Digit Multimeter, Humidity Sensor with Indicator, Temperature and Humidity Generator by Comparison Method	10 °C to 50 °C	0.25°C
285	THERMAL-TEMPERATURE	Dry Block Furnace	Using R Type Thermocouple with 6½ Digit Multimeter by Comparison Method	140 °C to 600 °C	1.07°C
286	THERMAL-TEMPERATURE	Dry Block Furnace	Using R Type Thermocouple with 6½ Digit Multimeter by Comparison Method	600 °C to 1200 °C	1.32°C
287	THERMAL-TEMPERATURE	Dry Block Furnace & Fluid Bath	Using SSPRT with 8½ Digit Multimeter by Comparison Method	(-) 15 °C to 140 °C	0.14°C



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288	THERMAL-TEMPERATURE	Infrared Thermometer (Emissivity 0.95)	Using Black Body with Infrared Thermometer by Comparison Method	50 °C to 500 °C	3.96°C
289	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using SSPRT with 8½ Digit Multimeter & Liquid Bath by Comparison Method	(-) 10 °C to 110 °C	0.63°C
290	THERMAL-TEMPERATURE	RTD with / without Indicator, Thermocouple with / without Indicator , Temperature Transducer, Data Logger with Sensor, Temperature Switch & Temperature Gauge	Using SSPRT with 8½ Digit Multimeter & Dry Block Furnace by Comparison Method	(-) 15 °C to 140 °C	0.03°C
291	THERMAL-TEMPERATURE	RTD with / without Indicator, Thermocouple with / without Indicator , Temperature Transducer, Data Logger with Sensor, Temperature Switch & Temperature Gauge	Using SSPRT with 8½ Digit Multimeter & Dry block Furnace by Comparison Method	140 °C to 600 °C	0.2°C



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292	THERMAL-TEMPERATURE	Thermocouple Sensor with / without 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	1.15°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 and Multi Product Calibrator as Source by Comparison Method	1 A to 10 A	0.15 % to 0.296 %
3	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 0.296 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 A to 20 A	0.296%



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5	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	0.296%
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 mA to 100 mA	0.051 % to 0.054 %
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 and Multi Product Calibrator as Source 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 %



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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source 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 and Multi Product Calibrator as Source by Comparison Method	30 µA to 100 µA	0.155 % 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	0.077 % to 0.051 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz to 1 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source 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	30 µA to 100 µA	0.154 % to 0.077 %



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15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 A to 10 A	0.084 % to 0.11 %
16	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 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 1 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 A to 20 A	0.11%
18	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%
19	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 %



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20	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	0.051 % to 0.084 %
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	0.662 % 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	0.1%
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 0.1 %



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25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 45 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 to 45 Hz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 mV to 1 V	0.43 % to 0.321 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz to 45 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 to 45 Hz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 V to 30 V	0.321 % 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 as Source by Comparison Method	300 mV to 1 V	0.98 % to 3 %



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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 %
31	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 mV to 100 mV	0.43 % to 0.02 %
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 0.0231 %
33	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source 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	0.0185 % to 0.0186 %



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35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source 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	0.0231 % to 0.0185 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source 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	0.0186 % to 0.0215 %
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 mV to 10 mV	2.1 % to 0.28 %



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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 as Source 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 %
43	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @10 kHz to 100 kHz	Using 8½ Digit Multimeter and Multi Product Calibrator as Source 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 %



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45	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter by Direct Method	1 nF to 1 μ F	1.01 % to 0.61 %
46	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter by Direct Method	10 pF to 100 pF	1.22 % to 1.13 %
47	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 %
48	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 100 Hz	Using LCR Meter by Direct Method	1 μ F to 100 μ F	0.61 % to 0.14 %
49	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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50	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	2.35%
51	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	0.089 % to 0.072 %
52	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	0.493 % to 2.35 %
53	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 %
54	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 0.493 %
55	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	0.182 % to 0.15 %



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56	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	30 μ A to 300 μ A	0.43 % to 0.182 %
57	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 45 Hz	Using Multi Product Calibrator by Direct Method	300 μ A to 1 mA	0.182%
58	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%
59	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	0.11 % to 0.079 %
60	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 0.14 %
61	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 %



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62	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	30 μ A to 300 μ A	0.38 % to 0.14 %
63	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Product Calibrator by Direct Method	300 μ A to 1 mA	0.14 % to 0.09 %
64	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 %
65	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 0.237 %
66	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	0.237 % to 0.183 %
67	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	0.183 % to 2.327 %



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68	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 %
69	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC 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%
70	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC 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 %
71	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC 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%
72	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC 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	0.092 % to 0.12 %
73	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 0.12 %



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74	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	1.67 % to 0.17 %
75	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 %
76	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 %
77	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 %
78	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 %
79	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	0.18 % to 0.25 %



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80	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 0.224 %
81	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	0.224 % to 0.18 %
82	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	1.67 % to 0.17 %
83	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 %
84	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 %
85	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 %



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86	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 %
87	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 %
88	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	1.67 % to 0.17 %
89	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%
90	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 %
91	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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92	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%
93	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 %
94	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	1 nF to 1 µF	1.16%
95	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	10 pF to 100 pF	1.6 % to 1.16 %
96	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	100 pF to 1 nF	1.16%
97	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 %



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98	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multi Product Calibrator by Direct Method	100 μ F to 110 μ F	0.61 % to 0.596 %
99	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box by Direct Method	1 mH to 10 H	2.31%
100	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	0.2 Lag	0.002PF
101	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	0.2 Lead	0.002PF
102	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	0.5 Lag	0.0019PF
103	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	0.5 Lead	0.0019PF



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104	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	0.8 Lag	0.0013PF
105	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	0.8 Lead	0.0013PF
106	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multi Product Calibrator by Direct Method	UPF	0.0007PF
107	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 µA to 10 µA	0.0934 % to 0.01 %
108	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 µA to 10 µA	0.089 % to 0.01 %
109	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 A to 10 A	0.0205 % to 0.045 %



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110	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 A to 10 A	0.021 % to 0.045 %
111	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 mA to 10 mA	0.0025%
112	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	1 mA to 10 mA	0.0025%
113	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 µA to 100 µA	0.01 % to 0.0026 %
114	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 µA to 100 µA	0.01 % to 0.0028 %
115	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 A to 20 A	0.045 % to 0.043 %



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116	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 A to 20 A	0.045 % to 0.043 %
117	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 mA to 100 mA	0.0025 % to 0.0058 %
118	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	10 mA to 100 mA	0.0025 % to 0.0058 %
119	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	100 µA to 1 mA	0.0026 % to 0.0025 %
120	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	100 µA to 1 mA	0.0028 % to 0.0025 %
121	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter by Direct Method	100 mA to 1 A	0.0058 % to 0.0205 %



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122	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	100 mA to 1 A	0.0058 % to 0.021 %
123	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 %
124	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 %
125	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	0.01 Ohm to 0.1 Ohm	0.46 % to 0.07 %
126	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	0.1 Ohm to 1 Ohm	0.07 % to 0.0094 %
127	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 Mohm to 100 Mohm	0.0021 % to 0.0363 %



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128	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 Ohm to 100 Ohm	0.0094 % to 0.0011 %
129	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	100 kohm to 1 Mohm	0.0012 % to 0.0021 %
130	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	100 Mohm to 1 Gohm	0.0363 % to 0.635 %
131	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	100 Ohm to 100 kohm	0.0011 % to 0.0012 %
132	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 %
133	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	0.1 mV to 1 mV	0.79 % to 0.079 %



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134	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	1 mV to 10 mV	0.078 % to 0.0083 %
135	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 mV to 10 mV	0.079 % to 0.0083 %
136	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	1 V to 10 V	0.00051 % to 0.00074 %
137	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	1 V to 10 V	0.00058 % to 0.00076 %
138	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	10 mV to 1 V	0.0083 % to 0.00051 %
139	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 mV to 1 V	0.0083 % to 0.00058 %



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140	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	10 V to 100 V	0.00074 % to 0.00094 %
141	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	10 V to 100 V	0.00076 % to 0.00094 %
142	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter and Multi Product Calibrator as Source by Comparison Method	100 V to 1000 V	0.00094 % to 0.00089 %
143	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digit Multimeter by Direct Method	100 V to 1000 V	0.00094 % to 0.00089 %
144	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	High Voltage Resistance	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	1 Gohm to 10 Gohm	0.043 % to 0.26 %
145	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	High Voltage Resistance	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	1 Mohm to 10 Mohm	0.0115 % to 0.0021 %



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146	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	High Voltage Resistance	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	10 Mohm to 100 Mohm	0.0021 % to 0.0097 %
147	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	High Voltage Resistance	Using 8½ Digit Multimeter, High Voltage Resistance Measurement Mode by Direct Method	100 Mohm to 1 Gohm	0.0097 % to 0.043 %
148	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	0.01 Ohm to 0.1 Ohm	0.39 % to 0.0397 %
149	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	0.1 Ohm to 1 Ohm	0.0397 % to 0.0048 %
150	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	1 Ohm to 100 Ohm	0.0048 % to 0.001 %
151	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	1 Mohm to 100 Mohm	0.0021 % to 0.022 %



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152	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	100 kohm to 1 Mohm	0.0011 % to 0.0021 %
153	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	100 Mohm to 1 Gohm	0.022 % to 0.635 %
154	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 8½ Digit Multimeter by Direct Method	100 Ohm to 100 kohm	0.001 % to 0.0011 %
155	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	1 µA to 10 µA	1.56 % to 0.17 %
156	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	1 A to 10 A	0.033 % to 0.0505 %
157	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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158	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	10 μ A to 100 μ A	0.17 % to 0.035 %
159	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	10 A to 20 A	0.0505 % to 0.0806 %
160	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	100 μ A to 300 μ A	0.035 % to 0.022 %
161	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	100 mA to 1 A	0.0099 % to 0.033 %
162	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 %
163	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	300 μ A to 1 mA	0.022 % to 0.012 %



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164	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Hi Voltage Resistance	Using Decade Resistance Box by Direct Method	100 Gohm to 1000 Gohm	2.81 % to 4.58 %
165	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Voltage Resistance	Using Mega Ohm Box by Direct Method	0.1 Mohm to 100 Mohm	0.58 % to 1.2 %
166	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Voltage Resistance	Using Decade Resistance Box by Direct Method	10 Gohm to 100 Gohm	2.32 % to 2.81 %
167	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Voltage Resistance	Using Standard Resistor by Direct Method	10 Mohm	0.58%
168	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Voltage Resistance	Using Mega Ohm Box by Direct Method	100 Mohm to 10 Gohm	1.2 % to 2.32 %
169	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1V to 1000V, 0.01A to 20A)	Using Multi Product Calibrator by Direct Method	0.01 W to 500 W	0.096 % to 0.082 %



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170	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1V to 1000V, 0.01A to 20A)	Using Multi Product Calibrator by Direct Method	500 W to 20 kW	0.082%
171	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	0.1 mV to 1 mV	2.34 % to 0.24 %
172	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	1 mV to 10 mV	0.24 % to 0.028 %
173	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	10 mV to 100 mV	0.028 % to 0.007 %
174	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	100 mV to 100 V	0.007 % to 0.0054 %
175	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	100 V to 1000 V	0.0054 % to 0.0045 %



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176	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Low Resistance	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)	Low Resistance	Using Micro / Milli Ohm Meter Calibrator by Direct Method	10 µOhm to 100 µOhm	2.53 % to 0.58 %
178	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Low Resistance	Using Micro / Milli Ohm Meter Calibrator by Direct Method	100 µOhm to 1 mOhm	0.58 % to 0.17 %
179	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Low Resistance	Using Micro / Milli Ohm Meter Calibrator by Direct Method	100 mOhm to 2 Ohm	0.062 % to 0.036 %
180	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	0.1 Ohm to 1 Ohm	0.79 % to 0.09 %
181	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	1 Mohm to 10 Mohm	0.012 % to 0.047 %



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182	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	1 Ohm to 10 Ohm	0.09 % to 0.0172 %
183	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	10 Mohm to 100 Mohm	0.047 % to 0.39 %
184	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	10 Ohm to 100 Ohm	0.0172 % to 0.0084 %
185	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	100 kohm to 1 Mohm	0.009 % to 0.012 %
186	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	100 Mohm to 1000 Mohm	0.39 % to 1.21 %
187	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	100 Ohm to 100 kohm	0.0084 % to 0.009 %



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188	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 %
189	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 %
190	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 %
191	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 %
192	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	0.0002%



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193	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 0.21 %
194	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 %
195	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	0.0003 % to 0.009 %
196	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 %
197	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 800 °C	0.07°C



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198	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple B Type	Using 8½ Digit Multimeter by Direct Method	600 °C to 1800 °C	0.2°C
199	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple E Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 950 °C	0.075°C
200	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple J Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1200 °C	0.075°C
201	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple K Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1350 °C	0.077°C
202	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple N Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 1300 °C	0.15°C
203	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple R Type	Using 8½ Digit Multimeter by Direct Method	50 °C to 1600 °C	0.171°C



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204	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple S Type	Using 8½ Digit Multimeter by Direct Method	50 °C to 1600 °C	0.133°C
205	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple T Type	Using 8½ Digit Multimeter by Direct Method	(-) 200 °C to 400 °C	0.1°C
206	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 800 °C	0.23°C
207	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple B Type	Using Multi Product Calibrator by Direct Method	600 °C to 1800 °C	0.71°C
208	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple E Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 950 °C	0.16°C
209	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple J Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1200 °C	0.18°C



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210	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple K Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1350 °C	0.24°C
211	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple N Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.39°C
212	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple R Type	Using Multi Product Calibrator by Direct Method	50 °C to 1600 °C	0.59°C
213	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple S Type	Using Multi Product Calibrator by Direct Method	50 °C to 1600 °C	0.69°C
214	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple T Type	Using Multi Product Calibrator by Direct Method	(-) 200 °C to 400 °C	0.24°C
215	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct Method	1 MHz to 1000 MHz	0.000165%



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216	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	10 Hz to 100 kHz	0.76 % to 0.012 %
217	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	100 kHz to 1000 kHz	0.012%
218	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	10 s to 1000 s	0.84 % to 0.059 %
219	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	1000 s to 9000 s	0.059 % to 0.058 %
220	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	10 Hz to 100 Hz	0.0097 % to 0.0027 %
221	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	100 Hz to 100 kHz	0.0027 % to 0.0021 %



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222	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	100 kHz to 1 MHz	0.0021 % to 0.00194 %
223	MECHANICAL-PRESSURE INDICATING DEVICES	Differential Pressure Gauge / Transducer / Switch / Manometer / Magnehelic Gauge / Transmitter / Calibrator	Using Pressure Calibrator with Gauge Pressure Module by Comparison Method as per DKD R 6-1	0 to 340 mbar	0.22%rdg
224	MECHANICAL-PRESSURE INDICATING DEVICES	Differential Pressure Gauge / Transducer / Transmitter / Calibrator	Using Pressure Calibrator with Gauge Pressure Module by Comparison Method as per DKD R 6-1	0 to 100 mbar	0.15%rdg
225	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 by Comparison Method as per DKD R 6-1	0 to 1000 bar	0.041%rdg



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226	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 by Comparison Method as per DKD R 6-1	0 to 340 bar	0.18%rdg
227	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 by Comparison Method as per DKD R 6-1	0 to 3.5 bar	0.157%rdg



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228	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	1.22%rdg
229	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 bar	0.00079bar
230	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class I and Coarser (Readability: 1 mg)	Using E2 Class Weights by Comparison Method as per OIML R-76-1	0 to 200 g	2.12mg
231	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class II and Coarser (Readability: 10 mg)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 6 kg	7mg



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232	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	2.91g
233	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class IIII (Readability: 20 g)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 100 kg	11.55g
234	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Balance Accuracy Class IIII (Readability: 50 g)	Using F1 Class Weights by Comparison Method as per OIML R-76-1	0 to 300 kg	28.87g
235	THERMAL-SPECIFIC HEAT & HUMIDITY	RH Indicator / Transmitter / Hygrometer / RH Indicator with sensor @ 25°C	Using Temperature and Humidity Sensor, Digital Multimeter and Temperature and Humidity Generator by Comparison Method	10 %RH to 95 %RH	0.7%RH
236	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature of RH Indicator / Transmitter, Hygrometer, Temperature of RH indicator with Sensor @ 50 %RH	Using SSPRT with 8½ Digit Multimeter, Humidity Sensor with Indicator, Temperature and Humidity Generator by Comparison Method	10 °C to 50 °C	0.25°C



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237	THERMAL-TEMPERATURE	Dry Block Furnace	Using R Type Thermocouple with 6½ Digit Multimeter by Comparison Method	140 °C to 600 °C	1.07°C
238	THERMAL-TEMPERATURE	Dry Block Furnace	Using R Type Thermocouple with 6½ Digit Multimeter by Comparison Method	600 °C to 1200 °C	1.32°C
239	THERMAL-TEMPERATURE	Dry Block Furnace & Fluid Bath	Using SSPRT with 8½ Digit Multimeter by Comparison Method	(-) 15 °C to 140 °C	0.14°C
240	THERMAL-TEMPERATURE	Furnace & Oven - Multi Position (Minimum 9 Sensors)	Using N Type Thermocouples with Paperless Recorder by Comparison Method	200 °C to 800 °C	4°C
241	THERMAL-TEMPERATURE	Furnace - Multi Position (Minimum 9 Sensors)	Using N Type Thermocouples with Paperless Recorder by Comparison Method	800 °C to 1200 °C	4.4°C
242	THERMAL-TEMPERATURE	Infrared Thermometer (Emissivity 0.95)	Using Black Body with Infrared Thermometer by Comparison Method	50 °C to 500 °C	3.96°C



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243	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using SSPRT with 8½ Digit Multimeter & Liquid Bath by Comparison Method	(-) 10 °C to 110 °C	0.63°C
244	THERMAL-TEMPERATURE	Oven, Freezer, Refrigerator - Multi Position (Minimum 9 Sensors)	Using RTD Sensor with Paperless Recorder by Comparison Method	(-) 80 °C to 200 °C	2.9°C
245	THERMAL-TEMPERATURE	RTD with / without Indicator, Thermocouple with / without Indicator , Temperature Transducer, Data Logger with Sensor, Temperature Switch & Temperature Gauge	Using SSPRT with 8½ Digit Multimeter & Dry Block Furnace by Comparison Method	(-) 15 °C to 140 °C	0.03°C
246	THERMAL-TEMPERATURE	RTD with / without Indicator, Thermocouple with / without Indicator , Temperature Transducer, Data Logger with Sensor, Temperature Switch & Temperature Gauge	Using SSPRT with 8½ Digit Multimeter & Dry block Furnace by Comparison Method	140 °C to 600 °C	0.2°C



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247	THERMAL-TEMPERATURE	Thermocouple Sensor with / without 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	1.15°C

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