



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

NCQC LABORATORY LLP, 4, ABHISHREE CORPORATE PARK, ISCKON-AMBLI ROAD,
AMBLI, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard

ISO/IEC 17025:2017

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S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	1P & 3P Active Energy @ 50 Hz - UPF to 0.5 PF Lag/Lead (240 V / 0.05 A to 5 A)	Using Accucheck with CT by Direct / Comparison Method	6 Wh to 3.6 kWh	0.36 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	1 A to 10 A	0.17 % to 0.25 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	30 µA to 1 A	0.43 % to 0.17 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with Multimeter by Direct Method	1 kV to 5 kV	4.30 % to 4.26 %



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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	1 mV to 10 mV	4.81 % to 0.53 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter by Direct method	10 mV to 1000 V	0.53 % to 0.1 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 10 kHz	Using Multi-Product Calibrator by Direct Method	0.33 A to 1.1 A	4.6 % to 0.22 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 10 kHz	Using Multi-Product Calibrator by Direct Method	1.1 A to 3 A	3.4 % to 0.19 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 10 kHz	Using Multi-Product Calibrator by Direct Method	30 µA to 330 µA	1.69 % to 0.23 %



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10	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 10 kHz	Using Multi-Product Calibrator by Direct Method	330 µA to 330 mA	0.231 % to 0.533 %
11	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by Direct Method	0.33 A to 1.1 A	0.060 % to 0.084 %
12	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by Direct Method	1.1 A to 3 A	0.084 % to 0.078 %
13	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by Direct Method	11 A to 20 A	0.129 % to 0.172 %
14	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	0.47 % to 0.76 %
15	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by Direct Method	3 A to 11 A	0.078 % to 0.129 %



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16	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by Direct Method	330 µA to 330 mA	0.195 % to 0.060 %
17	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 5 kHz	Using Multi-Product Calibrator by Direct Method	11 A to 20 A	0.19 % to 3.5 %
18	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 5 kHz	Using Multi-Product Calibrator by Direct Method	3 A to 11 A	0.19 % to 3.48 %
19	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power - - 0.2 to UPF (Lead/Lag) @ 50 Hz (100 V to 480 V / 0.01 A to 20 A)	Using Multi-Product Calibrator by Direct Method	1 W to 9.6 kW	0.13 % to 1.16 %
20	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 100 kHz	Using Multi-Product Calibrator by Direct Method	3.3 V to 33 V	0.16 % to 0.11 %
21	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 500 kHz	Using Multi-Product Calibrator by Direct Method	1 mV to 33 mV	1.86 % to 0.11 %



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22	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 500 kHz	Using Multi-Product Calibrator by Direct Method	33 mV to 330 mV	0.52 % to 0.068 %
23	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 500 kHz	Using Multi-Product Calibrator by Direct Method	330 mV to 3.3 V	0.04 % to 0.33 %
24	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multi-Product Calibrator by Direct Method	1 mV to 33 mV	1.012 % to 0.050 %
25	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multi-Product Calibrator by Direct Method	3.3 V to 33 V	0.040 % to 0.031 %
26	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multi-Product Calibrator by Direct Method	33 mV to 330 mV	0.050 % to 0.042 %
27	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multi-Product Calibrator by Direct Method	33 V to 330 V	0.031 % to 0.040 %



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28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multi-Product Calibrator by Direct Method	330 mV to 3.3 V	0.042 % to 0.040 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multi-Product Calibrator by Direct Method	330 V to 1000 V	0.040 % to 0.037 %
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 10 kHz	Using Multi-Product Calibrator by Direct Method	330 V to 1000 V	0.026 % to 0.038 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 20 kHz	Using Multi-Product Calibrator by Direct Method	33 V to 330 V	0.04 % to 0.03 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multi-Product Calibrator by Direct Method	0.5 nF to 330 nF	2.97 % to 0.70 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multi-Product Calibrator by Direct Method	0.33 μF to 330 μF	0.070 % to 0.91 %



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34	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multi-Product Calibrator by Direct Method	0.33 mF to 110 mF	0.91 % to 2.21 %
35	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box by Direct Method	100 µH to 1000 mH	1.33 % to 1.16 %
36	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Phase Angle @ 50 Hz	Using Multiproduct Calibrator by Direct Method	0° to 90°	1.21 %
37	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz	Using Multi-Product Calibrator & Accucheck with CT by Direct / Comparison Method	0.1 PF to UPF lead/lag	0.030 PF
38	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source.)	AC Current @ 50 Hz	Using Multi-Product Calibrator by Direct Method	30 µA to 330 µA	0.540 % to 0.195 %
39	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Capacitance	Using 6½ Digit Multimeter by Direct Method	1 µF to 100 mF	1.74 % to 2.43 %



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40	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Capacitance	Using 6½ Digit Multimeter by Direct Method	1 nF to 1 µF	5.21 % to 1.74 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	1 A to 10 A	0.084 % to 0.19 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	10 µA to 100 mA	0.36 % to 0.065 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	100 mA to 1 A	0.065 % to 0.084 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with Multimeter by Direct Method	1 kV to 5 kV	4.11 % to 0.82 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	1 mV to 10 mV	0.41 % to 0.046 %



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46	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	10 mV to 1000 V	0.046 % to 0.011 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digit Multimeter by Direct Method	1 kohm to 10 Mohm	0.009 % to 0.048 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digit Multimeter by Direct Method	1 Ohm to 1 kohm	0.37 % to 0.009 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digit Multimeter by Direct method	10 Mohm to 1 Gohm	0.048 % to 2.33 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	1 A to 10 A	0.05 % to 0.065 %
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	10 µA to 330 µA	0.249 % to 0.021 %



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52	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct method	10 A to 20 A	0.065 % to 0.13 %
53	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator with Current Coil by Direct Method	20 A to 1000 A	0.095 % to 0.64 %
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	3.3 mA to 1.0 A	0.017 % to 0.05 %
55	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	330 µA to 3.3 mA	0.021 % to 0.017 %
56	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (10 V to 1000 V / 0.1 A to 20.5 A)	Using Multiproduct Calibrator by Direct method	1 W to 20 kW	0.14 % to 0.51 %
57	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	0.1 mV to 330 mV	1.26 % to 0.01 %



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58	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	330 mV to 330 V	0.01 %
59	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct method	330 V to 1000 V	0.1 %
60	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multi-Product Calibrator by Direct Method	110 Mohm to 1100 Mohm	0.062 % to 1.770 %
61	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire & 4 Wire	Using Multi-Product Calibrator by Direct Method	0.1 Ohm to 330 kohm	0.14 % to 0.01 %
62	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire & 4 Wire	Using Multi-Product Calibrator by Direct Method	11 Mohm to 110 Mohm	0.018 % to 0.062 %
63	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire & 4 Wire	Using Multi-Product Calibrator by Direct Method	330 kohm to 11 Mohm	0.01 % to 0.018 %



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64	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance / Insulation Resistance - 2 Wire	Using Resistance Decade Box by Direct Method	1 Ohm to 999 Mohm	0.29 % to 0.60 %
65	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance / Insulation Resistance - 2 Wire	Using High Resistance Jig (Box) by Direct Method	10 Gohm to 1000 Gohm	2.48 % to 9.0 %
66	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance / Insulation Resistance - 2 Wire	Using Resistance Decade Box by Direct Method	5 Mohm to 10 Gohm	2.31 % to 2.48 %
67	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance / Insulation Resistance - 4 Wire	Using 4 Wire Low Resistance Standards by Direct Method	10 µohm to 1 Ohm	5.79 % to 0.14 %
68	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Conductivity Meter (Simulation Method)	Using Multiproduct calibrator / Temperature Electrical Calibrator by Direct method	1 µs to 1000 ms	0.64 % to 5.77 %
69	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Amplitude (AC @ 1 kHz & 1 Mohm Load)	Using Multiproduct Calibrator by Direct method	10 mV to 70 V	0.94 % to 0.2 %



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70	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Amplitude (AC @ 1 kHz & 50 Ohm Load)	Using Multiproduct Calibrator by Direct method	10 mV to 6.6 V	1.14 % to 1.070 %
71	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Amplitude (DC @ 1 Mohm Load)	Using Multiproduct Calibrator by Direct method	10 mV to 70 V	1.59 % to 0.20 %
72	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Amplitude (DC @ 50 Ohm Load)	Using Multiproduct Calibrator by Direct method	10 mV to 6.6 V	1.59 % to 1.07 %
73	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth	Using Multiproduct Calibrator by Direct method	50 kHz to 1 GHz	7 %
74	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Time Base	Using Multiproduct Calibrator by Direct method	5 ns to 5 s	0.6 %
75	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	pH meter (Simulation Method)	Using Multi-Product calibrator / Temperature Electrical Calibrator by Direct method	0 pH to 14 pH	0.010 %



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76	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (S Type)	Using Multi-Product Calibrator by Direct Method	0 °C to 1767 °C	0.59 °C
77	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (B Type)	Using Multi-Product Calibrator by Direct Method	600 °C to 1820 °C	0.54 °C
78	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (C Type)	Using Multi-Product Calibrator by Direct Method	0 °C to 2316 °C	1.02 °C
79	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (E Type)	Using Multi-Product Calibrator by Direct Method	(-) 250 °C to 1000 °C	0.63 °C
80	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (J Type)	Using Multi-Product Calibrator by Direct Method	(-) 210 °C to 1200 °C	0.37 °C



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81	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (K Type)	Using Multi-Product Calibrator by Direct Method	(-)-200 °C to 1372 °C	0.52 °C
82	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (L Type)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 900 °C	0.47 °C
83	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (N Type)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.53 °C
84	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (Pt-100)	Using 6½ Digit Multimeter by Direct Method	(-) 200 °C to 800 °C	0.28 °C
85	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (R Type)	Using Multi-Product Calibrator by Direct Method	0 °C to 1767 °C	0.65 °C



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86	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (T Type)	Using Multi-Product Calibrator by Direct Method	(-) 250 °C to 400 °C	0.75 °C
87	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (U Type)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 600 °C	0.68 °C
88	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (R Type)	Using Multi-Product Calibrator by Direct Method	0 °C to 1767 °C	0.7 °C
89	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (E Type)	Using Multi-Product Calibrator by Direct Method	(-)250 °C to 1000 °C	0.6 °C



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90	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (K Type)	Using Multi-Product Calibrator by Direct Method	(-)200 °C to 1372 °C	0.5 °C
91	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (B Type)	Using Multi-Product Calibrator by Direct Method	600 °C to 1820 °C	0.53 °C
92	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (C Type)	Using Multi-Product Calibrator by Direct Method	0 °C to 2316 °C	1 °C



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93	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (J Type)	Using Multi-Product Calibrator by Direct Method	(-)210 °C to 1200 °C	0.33 °C
94	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (L Type)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 900 °C	0.44 °C
95	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (N Type)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.5 °C



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96	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (Pt-100)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 800 °C	0.3 °C
97	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (S Type)	Using Multi-Product Calibrator by Direct Method	0 °C to 1767 °C	0.57 °C
98	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder/ Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (T Type)	Using Multi-Product Calibrator by Direct Method	(-) 250 °C to 400 °C	0.74 °C



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99	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder/ Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (U Type)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 600 °C	0.66 °C
100	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	5 Hz to 1 MHz	0.12 % to 0.015 %
101	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer)	Using Digital Timer by Comparison Method	0.01 s to 1 s	0.002 s to 0.01 s
102	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer, Stop Watch)	Using Digital Timer by Comparison Method	1 s to 60 s	0.01 s to 0.035 s
103	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer, Stop Watch)	Using Digital Timer by Comparison Method	1800 s to 3600 s	0.210 s to 0.419 s



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104	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer, Stop Watch)	Using Digital Timer by Comparison Method	3600 s to 43200 s	0.419 s to 5 s
105	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer, Stop Watch)	Using Digital Timer by Comparison Method	43200 s to 86400 s	5 s to 23.25 s
106	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer, Stop Watch)	Using Digital Timer by Comparison Method	60 s to 900 s	0.035 s to 0.104 s
107	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer, Stop Watch)	Using Digital Timer by Comparison Method	900 s to 1800 s	0.104 s to 0.210 s
108	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi-Product Calibrator by Direct Method	1 Hz to 2 MHz	0.011 % to 0.014 %
109	MECHANICAL-ACCELERATION AND SPEED	Centrifuge / RPM Measurement	Using Master Tachometer by Direct method	10 rpm to 1000 rpm	0.57 rpm



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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	1P & 3P Active Energy @ 50 Hz - UPF to 0.5 PF Lag/Lead (240 V / 0.05 A to 5 A)	Using Accucheck with CT by Direct / Comparison Method	6 Wh to 3.6 kWh	0.36 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	1 A to 10 A	0.17 % to 0.25 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	30 µA to 1 A	0.43 % to 0.17 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with Multimeter by Direct Method	1 kV to 27 kV	4.30 % to 6.10 %



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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter by Direct Method	1 mV to 10 mV	4.81 % to 0.53 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter by Direct method	10 mV to 1000 V	0.53 % to 0.1 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 10 kHz	Using Multi-Product Calibrator by Direct Method	0.33 A to 1.1 A	4.6 % to 0.22 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 10 kHz	Using Multi-Product Calibrator by Direct Method	1.1 A to 3 A	3.4 % to 0.19 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 10 kHz	Using Multi-Product Calibrator by Direct Method	30 µA to 330 µA	1.69 % to 0.23 %



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10	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 10 kHz	Using Multi-Product Calibrator by Direct Method	330 µA to 330 mA	0.231 % to 0.533 %
11	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by Direct Method	0.33 A to 1.1 A	0.060 % to 0.084 %
12	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by Direct Method	1.1 A to 3 A	0.084 % to 0.078 %
13	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by Direct Method	11 A to 20 A	0.129 % to 0.172 %
14	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	0.47 % to 0.76 %
15	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by Direct Method	3 A to 11 A	0.078 % to 0.129 %



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16	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi-Product Calibrator by Direct Method	330 µA to 330 mA	0.195 % to 0.060 %
17	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 5 kHz	Using Multi-Product Calibrator by Direct Method	11 A to 20 A	0.19 % to 3.5 %
18	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 5 kHz	Using Multi-Product Calibrator by Direct Method	3 A to 11 A	0.19 % to 3.48 %
19	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power - - 0.2 to UPF (Lead/Lag) @ 50 Hz (100 V to 480 V / 0.01 A to 20 A)	Using Multi-Product Calibrator by Direct Method	1 W to 9.6 kW	0.13 % to 1.16 %
20	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 100 kHz	Using Multi-Product Calibrator by Direct Method	3.3 V to 33 V	0.16 % to 0.11 %
21	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 500 kHz	Using Multi-Product Calibrator by Direct Method	1 mV to 33 mV	1.86 % to 0.11 %



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22	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 500 kHz	Using Multi-Product Calibrator by Direct Method	33 mV to 330 mV	0.52 % to 0.068 %
23	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz to 500 kHz	Using Multi-Product Calibrator by Direct Method	330 mV to 3.3 V	0.04 % to 0.33 %
24	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multi-Product Calibrator by Direct Method	1 mV to 33 mV	1.012 % to 0.050 %
25	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multi-Product Calibrator by Direct Method	3.3 V to 33 V	0.040 % to 0.031 %
26	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multi-Product Calibrator by Direct Method	33 mV to 330 mV	0.050 % to 0.042 %
27	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multi-Product Calibrator by Direct Method	33 V to 330 V	0.031 % to 0.040 %



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28	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multi-Product Calibrator by Direct Method	330 mV to 3.3 V	0.042 % to 0.040 %
29	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multi-Product Calibrator by Direct Method	330 V to 1000 V	0.040 % to 0.037 %
30	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 10 kHz	Using Multi-Product Calibrator by Direct Method	330 V to 1000 V	0.026 % to 0.038 %
31	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 20 kHz	Using Multi-Product Calibrator by Direct Method	33 V to 330 V	0.04 % to 0.03 %
32	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multi-Product Calibrator by Direct Method	0.5 nF to 330 nF	2.97 % to 0.70 %
33	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multi-Product Calibrator by Direct Method	0.33 μF to 330 μF	0.070 % to 0.91 %



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34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multi-Product Calibrator by Direct Method	0.33 mF to 110 mF	0.91 % to 2.21 %
35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box by Direct Method	100 µH to 1000 mH	1.33 % to 1.16 %
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Phase Angle @ 50 Hz	Using Multiproduct Calibrator by Direct Method	0° to 90°	1.21 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Power Factor @ 50 Hz	Using Multi-Product Calibrator & Accucheck with CT by Direct / Comparison Method	0.1 PF to UPF lead/lag	0.030 PF
38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source.)	AC Current @ 50 Hz	Using Multi-Product Calibrator by Direct Method	30 µA to 330 µA	0.540 % to 0.195 %
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Capacitance	Using 6½ Digit Multimeter by Direct Method	1 µF to 100 mF	1.74 % to 2.43 %



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40	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Capacitance	Using 6½ Digit Multimeter by Direct Method	1 nF to 1 µF	5.21 % to 1.74 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	1 A to 10 A	0.084 % to 0.19 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	10 µA to 100 mA	0.36 % to 0.065 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	100 mA to 1 A	0.065 % to 0.084 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with Multimeter by Direct Method	1 kV to 40 kV	4.11 % to 6.03 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with Multimeter by Direct Method	1 kV to 5 kV	4.11 % to 0.82 %



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46	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	1 mV to 10 mV	0.41 % to 0.046 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	10 mV to 1000 V	0.046 % to 0.011 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digit Multimeter by Direct Method	1 kohm to 10 Mohm	0.009 % to 0.048 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digit Multimeter by Direct Method	1 Ohm to 1 kohm	0.37 % to 0.009 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digit Multimeter by Direct method	10 Mohm to 1 Gohm	0.048 % to 2.33 %
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	1 A to 10 A	0.05 % to 0.065 %



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52	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	10 μ A to 330 μ A	0.249 % to 0.021 %
53	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct method	10 A to 20 A	0.065 % to 0.13 %
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator with Current Coil by Direct Method	20 A to 1000 A	0.095 % to 0.64 %
55	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	3.3 mA to 1.0 A	0.017 % to 0.05 %
56	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi-Product Calibrator by Direct Method	330 μ A to 3.3 mA	0.021 % to 0.017 %
57	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (10 V to 1000 V / 0.1 A to 20.5 A)	Using Multiproduct Calibrator by Direct method	1 W to 20 kW	0.14 % to 0.51 %



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58	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	0.1 mV to 330 mV	1.26 % to 0.01 %
59	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi-Product Calibrator by Direct Method	330 mV to 330 V	0.01 %
60	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct method	330 V to 1000 V	0.1 %
61	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire	Using Multi-Product Calibrator by Direct Method	110 Mohm to 1100 Mohm	0.062 % to 1.770 %
62	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire & 4 Wire	Using Multi-Product Calibrator by Direct Method	0.1 Ohm to 330 kohm	0.14 % to 0.01 %
63	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire & 4 Wire	Using Multi-Product Calibrator by Direct Method	11 Mohm to 110 Mohm	0.018 % to 0.062 %



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64	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance - 2 Wire & 4 Wire	Using Multi-Product Calibrator by Direct Method	330 kohm to 11 Mohm	0.01 % to 0.018 %
65	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance / Insulation Resistance - 2 Wire	Using Resistance Decade Box by Direct Method	1 Ohm to 999 Mohm	0.29 % to 0.60 %
66	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance / Insulation Resistance - 2 Wire	Using High Resistance Jig (Box) by Direct Method	10 Gohm to 1000 Gohm	2.48 % to 9.0 %
67	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance / Insulation Resistance - 2 Wire	Using Resistance Decade Box by Direct Method	5 Mohm to 10 Gohm	2.31 % to 2.48 %
68	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance / Insulation Resistance - 4 Wire	Using 4 Wire Low Resistance Standards by Direct Method	10 µohm to 1 Ohm	5.79 % to 0.14 %
69	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Conductivity Meter (Simulation Method)	Using Multiproduct calibrator / Temperature Electrical Calibrator by Direct method	1 µs to 1000 ms	0.64 % to 5.77 %



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70	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Amplitude (AC @ 1 kHz & 1 Mohm Load)	Using Multiproduct Calibrator by Direct method	10 mV to 70 V	0.94 % to 0.2 %
71	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Amplitude (AC @ 1 kHz & 50 Ohm Load)	Using Multiproduct Calibrator by Direct method	10 mV to 6.6 V	1.14 % to 1.070 %
72	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Amplitude (DC @ 1 Mohm Load)	Using Multiproduct Calibrator by Direct method	10 mV to 70 V	1.59 % to 0.20 %
73	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Amplitude (DC @ 50 Ohm Load)	Using Multiproduct Calibrator by Direct method	10 mV to 6.6 V	1.59 % to 1.07 %
74	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth	Using Multiproduct Calibrator by Direct method	50 kHz to 1 GHz	7 %
75	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Time Base	Using Multiproduct Calibrator by Direct method	5 ns to 5 s	0.6 %



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76	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	pH meter (Simulation Method)	Using Multi-Product calibrator / Temperature Electrical Calibrator by Direct method	0 pH to 14 pH	0.010 %
77	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (S Type)	Using Multi-Product Calibrator by Direct Method	0 °C to 1767 °C	0.59 °C
78	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (B Type)	Using Multi-Product Calibrator by Direct Method	600 °C to 1820 °C	0.54 °C
79	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (C Type)	Using Multi-Product Calibrator by Direct Method	0 °C to 2316 °C	1.02 °C
80	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (E Type)	Using Multi-Product Calibrator by Direct Method	(-) 250 °C to 1000 °C	0.63 °C



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81	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (J Type)	Using Multi-Product Calibrator by Direct Method	(-) 210 °C to 1200 °C	0.37 °C
82	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (K Type)	Using Multi-Product Calibrator by Direct Method	(-)200 °C to 1372 °C	0.52 °C
83	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (L Type)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 900 °C	0.47 °C
84	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (N Type)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.53 °C
85	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (Pt-100)	Using 6½ Digit Multimeter by Direct Method	(-) 200 °C to 800 °C	0.28 °C



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86	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (R Type)	Using Multi-Product Calibrator by Direct Method	0 °C to 1767 °C	0.65 °C
87	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (T Type)	Using Multi-Product Calibrator by Direct Method	(-) 250 °C to 400 °C	0.75 °C
88	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Test Kit / Temperature Calibrator / Universal Calibrator / Multimeter (U Type)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 600 °C	0.68 °C
89	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (R Type)	Using Multi-Product Calibrator by Direct Method	0 °C to 1767 °C	0.7 °C



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90	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (E Type)	Using Multi-Product Calibrator by Direct Method	(-)-250 °C to 1000 °C	0.6 °C
91	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (K Type)	Using Multi-Product Calibrator by Direct Method	(-)-200 °C to 1372 °C	0.5 °C
92	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (B Type)	Using Multi-Product Calibrator by Direct Method	600 °C to 1820 °C	0.53 °C



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93	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (C Type)	Using Multi-Product Calibrator by Direct Method	0 °C to 2316 °C	1 °C
94	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (J Type)	Using Multi-Product Calibrator by Direct Method	(-)210 °C to 1200 °C	0.33 °C
95	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (L Type)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 900 °C	0.44 °C



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96	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (N Type)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.5 °C
97	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (Pt-100)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 800 °C	0.3 °C
98	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder / Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (S Type)	Using Multi-Product Calibrator by Direct Method	0 °C to 1767 °C	0.57 °C



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99	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder/ Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (T Type)	Using Multi-Product Calibrator by Direct Method	(-) 250 °C to 400 °C	0.74 °C
100	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator / Controller / Recorder/ Universal Calibrator / Calibrator / Multimeter / Temperature indicating devices (U Type)	Using Multi-Product Calibrator by Direct Method	(-) 200 °C to 600 °C	0.66 °C
101	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	5 Hz to 1 MHz	0.12 % to 0.015 %
102	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer)	Using Digital Timer by Comparison Method	0.01 s to 1 s	0.002 s to 0.01 s



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103	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer, Stop Watch)	Using Digital Timer by Comparison Method	1 s to 60 s	0.01 s to 0.035 s
104	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer, Stop Watch)	Using Digital Timer by Comparison Method	1800 s to 3600 s	0.210 s to 0.419 s
105	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer, Stop Watch)	Using Digital Timer by Comparison Method	3600 s to 43200 s	0.419 s to 5 s
106	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer, Stop Watch)	Using Digital Timer by Comparison Method	43200 s to 86400 s	5 s to 23.25 s
107	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer, Stop Watch)	Using Digital Timer by Comparison Method	60 s to 900 s	0.035 s to 0.104 s
108	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time (Timer, Stop Watch)	Using Digital Timer by Comparison Method	900 s to 1800 s	0.104 s to 0.210 s



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109	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi-Product Calibrator by Direct Method	1 Hz to 2 MHz	0.011 % to 0.014 %
110	FLUID FLOW-FLOW MEASURING DEVICES	Digital or Analog Liquid Flow Meter	Using Hand Held Clamp on Type Ultrasonic Flow Meter by Comparison method	1.8 m ³ /hr to 100 m ³ /hr	2.2 %
111	FLUID FLOW-FLOW MEASURING DEVICES	Digital or Analog Liquid Flow Meter	Using Hand Held Clamp on Type Ultrasonic Flow Meter by Comparison method	100 m ³ /hr to 349 m ³ /hr	1.5 %
112	MECHANICAL-ACCELERATION AND SPEED	Centrifuge / RPM Measurement	Using Master Tachometer by Direct method	10 rpm to 1000 rpm	0.57 rpm
113	MECHANICAL-ACCELERATION AND SPEED	Centrifuge / RPM Measurement	Using Master Tachometer by Direct method	1000 rpm to 12000 rpm	3.5 rpm
114	MECHANICAL-ACCELERATION AND SPEED	Centrifuge / Stroboscope / RPM Measurement	Using Master Tachometer by Direct method	1000 rpm to 10000 rpm	3.07 rpm
115	MECHANICAL-ACCELERATION AND SPEED	Centrifuge / Stroboscope / RPM Measurement	Using Master Tachometer by Direct method	10000 rpm to 30000 rpm	10.02 rpm