National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

NASHIK ENGINEERING CLUSTER

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

"SAHASTRARASHMI", C-10, MIDC, AMBAD, NASHIK, MAHARASHTRA, INDIA

in the field of

CALIBRATION

Certificate Number: CC-2248

Issue Date: 07/11/2022 **Valid Until:** 06/11/2024

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : NASHIK ENGINEERING CLUSTER

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	NASHIK ENGINEERING CLUSTER, "SAHASTRARASHMI", C-10, MIDC, AMBAD, NASHIK, MAHARASHTRA, INDIA		
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S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @ 50Hz	Using Standard Current Transformer & 6½ Digit Multi Meter	5 A to 6000 A	0.02%
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @ 50Hz to 1kHz	Using 6½ DMM By Direct Method	10 µA to 100 µA	0.1 % to 0.02 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @ 50Hz to 1kHz	Using 6½ DMM By Direct Method	10 mA to 10 A	0.043 % to 0.3 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @ 50Hz to 1kHz	Using 6½ DMM By Direct Method	100 µA to 10 mA	0.02 % to 0.043 %

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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @10Hz to 10kHz	Using 8½ DMM By Direct Method	10 mA to 10 A	0.013 % to 0.028 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @10Hz to 10kHz	Using 8½ DMM By Direct Method	100 µA to 10 mA	0.014 % to 0.013 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @10Hz to 1kHz	Using 8½ DMM By Direct Method	10 µA to 100 µA	0.09 % to 0.014 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @40Hz to 5kHz	Using 8½ DMM By Direct Method	10 A to 20 A	0.028 % to 0.107 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @50Hz	Power Analyzer by direct Method	1 A to 500 A	0.097 % to 0.45 %

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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @50Hz	Using Meter Test System By Comparison Method	1 mA to 120 A	0.015 % to 0.062 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC ENERGY ACTIVE SINGLE & THREE PHASE AT 50Hz, 30V TO 320V, 1mA TO 120A, 0.2PF LAG/LEAD TO UPF	Using Meter Test System By Comparison Method	6 mWh to 115.2 kWh	0.21 % to 0.02 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC ENERGY ACTIVE SINGLE & THREE PHASE AT 50Hz, 1V TO 1000V, 500mA TO 300A, 0.2PF LAG/LEAD TO UPF	Using Digital Power Analyzer by Direct Method	0.2 Wh to 300 kWh	0.17 % to 0.4 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC ENERGY REACTIVE SINGLE & THREE PHASE AT 50Hz, 1V TO 1000V, 5mA TO 300A 0.2PF LAG/LEAD TO UPF	Using Digital Power Analyzer by Direct Method	0.2 Varh to 300kVarh	0.17 % to 0.4 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC ENERGY REACTIVE SINGLE & THREE PHASE AT 50Hz, 30V TO 320V, 1mA TO 120A, 0.2PF LAG/LEAD TO UPF	Using Meter Test System By Comparison Method	6 mVarh to 115.2 kVarh	0.04 % to 0.02 %

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15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC HIGH VOLTAGE @50Hz	Using High Voltage Divider By Comparison Method	1 kV to 100 kV	1.22 % to 1.71 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC POWER ACTIVE SINGLE & THREE PHASE AT 50Hz, 30V TO 320V, 1mA TO 120A, 0.2PF LAG/LEAD TO UPF	Using Meter Test System By Comparison Method	6 mW to 115.2 kW	0.21 % to 0.02 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC POWER ACTIVE SINGLE & THREE PHASE AT 50Hz, 1V TO 1000V, 500mA to 300 A, 0.2PF LAG/LEAD TO UPF	Using Digital Power Analyzer by Direct Method	0.1 W to 300 kW	0.17 % to 0.4 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC POWER REACTIVE SINGLE & THREE PHASE AT 50Hz, 1V TO 1000V, 5mA TO 300A, 0.2PF LAG/LEAD TO UPF	Using Digital Power Analyzer by Direct Method	0.2 Var to 300kVar	0.17 % to 0.4 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC POWER REACTIVE SINGLE & THREE PHASE AT 50Hz, 30V TO 320V, 1mA TO 120A, 0.2PF LAG/LEAD TO UPF	Using Meter Test System By Comparison Method	6 mVar to 115.2 kVar	0.04 % to 0.02 %

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20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC POWER & ACTIVE ENERGY THREE PHASE AT 50Hz, 30V TO 320V, 1MA TO 120A, 0.2PF LAG/LEAD TO UPF	Using Meter Test System By Comparison Method	0.02 W to 115.2 kW	0.04 % to 0.02 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC POWER & ACTIVE/ REACTIVE ENERGY SINGLE & THREE PHASE AT 50Hz, 1V TO 1000V, 5mA TO 200A, 0.2PF LAG/LEAD TO UPF	Using POWER ANALYZER By Comparison Method	24 W to 74 kW	0.04 % to 0.03 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC POWER & REACTIVE ENERGY THREE PHASE AT 50Hz, 30V TO 320V, 1MA TO 120A, 0.2PF LAG/LEAD TO UPF	Using Meter Test System By Comparison Method	0.02 Var to 115.2 kVar	0.04 % to 0.02 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC RESISTANCE @1kHz	Using LCR Meter By Direct Method	10 mohm to 10 kohm	1.19 % to 0.42 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE @ 10Hz to 100kHz	Using AC Measurement Standard By Direct Method	20 V to 200 V	0.02 % to 0.01 %

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25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE @ 10Hz to 1MHz	Using AC Measurement Standard By Direct Method	1 mV to 1 V	0.90 % to 0.05 %
26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE @ 10Hz to 1MHz	Using AC Measurement Standard By Direct Method	1 V to 20 V	0.05 % to 0.02 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE @ 40Hz to 1kHz	Using 6½ DMM By Direct Method	2 mV to 20 mV	0.302 % to 0.033 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE @ 40Hz to 1kHz	Using 6½ DMM By Direct Method	20 mV to 200 mV	0.033 % to 0.021 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE @ 40Hz to 1kHz	Using 6½ DMM By Direct Method	200 mV to 200 V	0.021 % to 0.015 %

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30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE @ 50 Hz TO 1 kHz	Using 6½ DMM By Direct Method	200 V to 1000 V	0.015 % to 0.016 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE @ 50Hz to 1kHz	Using AC Measurement Standard By Direct Method	200 V to 1000 V	0.001 % to 0.012 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE@ 10Hz to 50Hz	Using 8½ DMM By Direct Method	1 mV to 10 mV	0.8 % to 0.4 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE@ 20Hz to 100kHz	Using 8½ DMM By Direct Method	10 mV to 100 mV	0.4 % to 0.03 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE@ 20Hz to 100kHz	Using 8½ DMM By Direct Method	10 V to 100 V	0.2 % to 0.023 %

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35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE@ 20Hz to 1MHz	Using 8½ DMM By Direct Method	1 V to 10 V	0.22 % to 0.2 %
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE@ 20Hz to 1MHz	Using 8½ DMM By Direct Method	100 mV to 1 V	0.03 % to 0.22 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE@ 40Hz to 20kHz	Using 8½ DMM By Direct Method	100 V to 1000 V	0.023 % to 0.015 %
38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	CAPACITANCE & TAN DELTA@10kV	Using Standard Capacitor with different Tan delta & Tan delta Bridge by comparison method	100 pF, Tan delta 0.01 % to 1 %	0.29 % to 0.27, 0.000056 %
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	CAPACITANCE & TAN DELTA@10kV	Using Standard Capacitor with different Tan delta & Tan delta Bridge by comparison method	1000pF, Tan Delta 0.01 % to 10 %	0.29 % to 0.27, 0.0006 %

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40	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	CAPACITANCE & TAN DELTA@2kV	Using Standard Capacitor with different Tan delta & Tan delta Bridge	10000 pF, Tan Delta:0.5 % to 1 %	0.29% to 0.27 %, 0.000056 % to to 0.0006 %
41	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	CAPACITANCE @1kHz	Using 6½ DMM By Direct Method	1 nF to 1 mF	0.996 % to 1.70 %
42	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	CAPACITANCE @1kHz	Using LCR Meter By Direct Method	100 pF to 1 mF	0.13 % to 0.17 %
43	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	HARMONICS ORDER @ 30V TO 240V AND 1mA TO 120A	Using Meter Test System By Comparison Method	1st Order to 39th Order	0.5%
44	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	HARMONICS ORDER @ 30V TO 240V AND 1mA TO 120A	Using POWER ANALYZER By Comparison Method	1st Order to 39th Order	0.8%

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45	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	HARMONICS ORDER @ 30V TO 240V AND 1mA TO 120A	Using KIGG POWER ANALYZER By Comparison Method	1st Order to 50th Order	0.8%
46	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	INDUCTANCE @1kHz	Using LCR Meter By Direct Method	100 µH to 10 H	0.14 % to 0.13 %
47	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	POWER FACTOR (PHASE ANGLE)	Using Meter Test System By Comparison Method	0.2 Lag & Lead to UPF	0.0031 pF
48	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	VA (CT BURDEN BOX 1A & 5A) 50Hz & 60Hz@ 0.8PF to UPF	Using Digital Power Analyzer by Direct Method	1 VA to 110 VA	0.105 % to 0.12 %
49	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	VA (PT BURDEN BOX 110V & 63.5V) 50Hz & 60Hz@ 0.8PF	Using Digital Power Analyzer by Direct Method	2.5 VA to 300 VA	0.2 % to 0.3 %

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50	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 1 kHz	Using MFC By Direct Method	200 µA to 2 mA	0.011 % to 0.009 %
51	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 10 kHz	Using MFC By Direct Method	330 mA to 3 A	0.439 % to 0.062 %
52	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 10 kHz	Using MFC By Direct Method:	2 mA to 200 mA	0.009 % to 0.011 %
53	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 30 kHz	Using MFC By Direct Method	2 mA to 330 mA	0.553 % to 0.439 %
54	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 40 Hz to 1 kHz	Using MFC By Direct Method	10 µA to 190 µA	0.101 % to 0.046 %
55	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 40 Hz to 1 kHz	Using MFC By Direct Method	10 µA to 200 µA	0.025 % to 0.011 %

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56	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 40 Hz to 10 kHz	Using MFC By Direct Method	200 mA to 2 A	0.011 % to 0.017 %
57	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 30 kHz	Using MFC By Direct Method	330 µA to 2 mA	0.002%
58	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 30 kHz	Using MFC By Direct Method	10 mA to 10 A	0.036 % to 0.113 %
59	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 30 kHz	Using MFC By Direct Method	190 µA to 330 µA	0.046 % to 0.289 %
60	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 5 kHz	Using MFC By Direct Method	11 A to 20 A	0.114 % to 0.176 %
61	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 5 kHz	Using MFC By Direct Method	3 A to 11 A	2.503 % to 0.114 %

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62	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using MFC & 50 Turn Coil By Direct Method	20 A to 1000 A	0.055 % to 0.32 %
63	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using MPC By Direct Method	10 µA to 100 µA	0.142 % to 0.149 %
64	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using MFC By Direct Method	100 µA to 10 mA	0.025 % to 0.036 %
65	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC POWER SINGLE PHASE AT 50Hz, 1V TO 1000V, 500mA TO 300A, 0.2PF LAG/LEAD TO UPF	Using MFC With 50 Turns Current Coil Direct Method	0.1 W to 300 kW	0.42%
66	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC POWER SINGLE PHASE AT 50Hz, 1V TO 1000V, 500mA TO 80A, 0.2PF LAG/LEAD TO UPF	Using Power Standard By Direct Method	0.1 W to 80 kW	0.4%
67	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	1 kohm@ 0.035 A	0.24%

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68	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method	1 mohm@50 A	0.03%
69	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	1 Ohm@1.2A	0.24%
70	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	10 kohm@ 0.015 A	0.24%
71	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	10 mohm to 10 mohm @15A	0.03%
72	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	10 Ohm@0.35A	0.24%
73	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method	100 µohm, 100 A	0.03%

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74	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	100 mohm@ 3.5 A	0.03%
75	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	100 Ohm@0.12 A	0.24%
76	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @10Hz to 100kHz	Using MFC By Direct Method	20 V to 200 V	0.023 % to 0.005 %
77	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @10Hz to 100kHz	Using MFC By Direct Method:	300 mV to 3 V	0.034 % to 0.062 %
78	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @10Hz to 1MHz	Using MFC By Direct Method	2 mV to 20 mV	0.117 % to 0.06 %
79	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @10Hz to 1MHz	Using MFC By Direct Method:	20 mV to 200 mV	0.06 % to 0.052 %

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80	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @10Hz to 1MHz	Using MFC By Direct Method	200 mV to 20 V	0.052 % to 0.023 %
81	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @40Hz to 20kHz	Using MPC By Direct Method:	1 mV to 20 mV	0.4 % to 0.019 %
82	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @40Hz to 20kHz	Using MFC By Direct Method	1 mV to 3 mV	0.4 % to 0.035 %
83	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @40Hz to 20kHz	Using MPC By Direct Method:	20 mV to 20 V	0.019 % to 0.039 %
84	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @40Hz to 20kHz	Using MPC By Direct Method:	20 V to 200 V	0.017 % to 0.015 %
85	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @45Hz to 300kHz	Using MFC By Direct Method	3 mV to 300 mV	0.035 % to 0.034 %

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86	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @45Hz to 50kHz	Using MFC By Direct Method	3 V to 300 V	0.062 % to 0.012 %
87	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @45Hz to 8kHz	Using MFC By Direct Method	300 V to 1000 V	0.012 % to 0.004 %
88	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @50Hz to 1kHz	Using MFC By Direct Method:	200 V to 1000 V	0.005 % to 0.012 %
89	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @50Hz to 1kHz	Using MPC By Direct Method	200 V to 1000 V	0.015 % to 0.02 %
90	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	CAPACITANCE & TAN DELTA@10kV	Using Standard Capacitor with different Tan delta & Tan delta Bridge by comparison method	100 pF, Tan Delta 0.01 % to 10 %	0.29 % to 0.27, 0.000056 %
91	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	CAPACITANCE & TAN DELTA@10kV	Using Standard Capacitor with different Tan delta & Tan delta Bridge	1000 pF, Tan Delta 0.01 % to 10 %	0.29, 0.000056 % to 0.27, 0.0006 %

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92	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	CAPACITANCE & TAN DELTA@2kV	Using Standard Capacitor with different Tan delta & Tan delta Bridge	Capacitance: 0.5pF to 10000 pF, TAN DELTA: 1 %	0.29 % to 0.27, 0.000056 %
93	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	CAPACITANCE @1kHz	Using Decade Capacitance Box By Direct Method:	100 pF to 100 µF	1.16 % to 1.7 %
94	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	CAPACITANCE @1kHz	Using MFC By Direct Method:	220 pF to 1 mF	1.7%
95	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	CAPACITANCE @1kHz	Using MFC By Direct Method	220 pF to 110 mF	0.004 % to 0.511 %
96	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	HARMONICS	Using MFC By Direct Method:	1st Order to 25th Order	0.6%
97	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	HARMONICS	Using MFC By Direct Method:	1st Order to 39th Order	0.6%

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98	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	INDUCTANCE @1kHz	Using Decade Inductance Box By Direct Method:	100 µH to 10 H	0.38 % to 0.2 %
99	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	POWER FACTOR	Using MPC By Direct Method:	0.2 LAG/LEAD to 1 UPF	0.004 to 0.0031
100	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	POWER FACTOR	Using MFC By Direct Method	0.2 LAG/LEAD to UPF	0.004 pF to 0.0031 pF
101	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC CURRENT	Using 6½ DMM By Direct Method	1 A to 10 A	0.034 % to 0.016 %
102	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC CURRENT	Using Power Analyzer by direct Method	1 A to 500 A	0.144 % to 0.7 %
103	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC CURRENT	Using 6½ DMM By Direct Method	10 µA to 100 µA	0.08 % to 0.006 %

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104	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC CURRENT	Using 6½ DMM By Direct Method	100 µA to 100 mA	0.006 % to 0.008 %
105	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC CURRENT	Using 8½ DMM By Direct Method	100 µA to 100 mA	0.002 % to 0.0016 %
106	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC CURRENT	Using 6½ DMM By Direct Method	100 mA to 1 A	0.008 % to 0.034 %
107	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC CURRENT	Using 8½ DMM By Direct Method	100 mA to 20 A	0.002 % to 0.012 %
108	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC HIGH VOLTAGE	Using High Voltage Divider with kV Meter By Comparison Method	1 kV to 40 kV	2.81 % to 2.56 %
109	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC RESISTANCE	Using Digital Low Resistance Meter at 600 A DC By Direct Method	1 µohm to 1 mohm	1.43 % to 0.84 %

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110	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC RESISTANCE	Using 8½ DMM By Direct Method	1 mohm to 1 Ohm	0.0473 % to 0.0004 %
111	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC RESISTANCE	Using 6½ DMM By Direct Method	1 mohm to 1 Gohm	0.685 % to 1.66 %
112	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC RESISTANCE	Using 8½ DMM By Direct Method	1 Ohm to 100 Ohm	0.0004 % to 0.0006 %
113	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC RESISTANCE	Using 8½ DMM By Direct Method	100 Ohm to 100 kohm	0.0006 % to 0.001 %
114	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC RESISTANCE	Using 8½ DMM By Direct Method	100 kohm to 100 Mohm	0.001 % to 0.0072 %
115	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC RESISTANCE	Using Digital Insulation Tester By Direct Method	100 kohm to 10 Tohm	0.92 % to 2.75 %

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116	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC RESISTANCE	Using 8½ DMM By Direct Method	100 Mohm to 10 Gohm	0.0072 % to 0.03 %
117	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC VOLTAGE	Using 6½ DMM By Direct Method	1 mV to 10 mV	0.035%
118	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC VOLTAGE	Using 8½ DMM By Direct Method	1 V to 20 V	0.0003%
119	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC VOLTAGE	Using 6½ DMM By Direct Method	10 mV to 10 V	0.035 % to 0.01 %
120	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC VOLTAGE	Using 8½ DMM By Direct Method	10 mV to 100 mV	0.0015 % to 0.0005 %
121	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC VOLTAGE	Using 6½ DMM By Direct Method	10 V to 1000 V	0.001%

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122	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC VOLTAGE	Using 8½ DMM By Direct Method	100 µV to 10 mV	0.016 % to 0.0009 %
123	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC VOLTAGE	Using 8½ DMM By Direct Method	100 mV to 1 V	0.0005 % to 0.0003 %
124	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC VOLTAGE	Using 8½ DMM By Direct Method	100 V to 1000 V	0.0005%
125	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC VOLTAGE	Using 8½ DMM By Direct Method	20 V to 100 V	0.0003 % to 0.0005 %
126	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MPC By Direct Method	10 µA to 100 µA	0.093 % to 0.004 %
127	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	10 µA to 200 µA	0.007 % to 0.0025 %

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128	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	10 µA to 200 µA	0.01 % to 0.003 %
129	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MPC By Direct Method:	100 µA to 100 mA	0.004 % to 0.01 %
130	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MPC By Direct Method	100 mA to 10 A	0.01 % to 0.048 %
131	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	2 A to 20 A	0.036 % to 0.097 %
132	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	2 mA to 20 mA	0.0011 % to 0.0012 %
133	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	2 mA to 20 mA	0.006%

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134	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	2 mA to 20 mA	0.007 % to 0.006 %
135	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC & 50 Turn Coil By Direct Method:	20 A to 1000 A	0.049 % to 0.1 %
136	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	20 mA to 200 mA	0.0012%
137	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	20 mA to 200 mA	0.006%
138	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	200 µA to 2 mA	0.0025 % to 0.006 %
139	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	200 µA to 2 mA	0.003 % to 0.001 %

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140	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	200 mA to 2 A	0.0012 % to 0.001 %
141	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	200 mA to 2 A	0.006%
142	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	1 kohm	0.0035%
143	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	10 kohm	0.0007%
144	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	10 Mohm	0.002%
145	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	2 kohm	0.001%

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146	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	2 Mohm	0.0021%
147	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method	2 ohm	0.0031%
148	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	20 kohm	0.0007%
149	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	20 Mohm	0.0016%
150	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	1 Mohm	0.0011%
151	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	1 mohm	0.118%

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152	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method	1 Ohm	0.0031%
153	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	10 Ohm	0.0012%
154	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	100 kohm	0.001%
155	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	100 Mohm	0.02%
156	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	100 Ohm	0.0007%
157	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	20 Ohm	0.001%

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158	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	200 kohm	0.001%
159	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	200 Ohm	0.0007%
160	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	1 kohm@0.035A	0.23%
161	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using MFC By Direct Method:	1 mohm to 330 Mohm	0.3 % to 0.06 %
162	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	1 mohm@ 50 A	0.162%
163	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Standard Resistance	1 Ohm@0.5A	0.001%

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164	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	1 Ohm@1.2A	0.0042%
165	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	10 kohm@0.015 A	0.23%
166	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	10 mohm@15 A	0.0042%
167	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	10 Ohm@0.35A	0.0012%
168	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	100 µohm@100A to	0.87%
169	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method:	100 kohm to 10 Tohm	0.07 % to 1.84 %

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170	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	100 mohm@3.5A	0.0042%
171	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	100 Ohm@0.12A	0.23%
172	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE (4 Wire)	Using Shunt By Direct Method	1 µohm@ 200 A	0.61%
173	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE (4 Wire)	Using Shunt By Direct Method	1 mohm@100A	0.61%
174	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE (4 Wire)	Using Shunt By Direct Method	10 µohm@200 A	0.87%
175	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE (4 Wire)	Using Shunt By Direct Method	100 µohm@200A to	0.87%

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176	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE(4 Wire)	Using Standard Resistance	10 Mohm @ 20µA	0.007%
177	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE(4 Wire)	Using Standard Resistance	10 Ohm@ 0.1A	0.0009%
178	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE(4 Wire)	Using Standard Resistance	100 Ohm@0.02A	0.0012%
179	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method:	1 mV to 100 mV	0.01 % to 0.0005 %
180	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MPC By Direct Method:	1 mV to 100 mV	0.018 % to 0.001 %
181	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method:	1 mV to 300 mV	0.012 % to 0.0007 %

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182	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method:	1 V to 10 V	0.0002 % to 0.0003 %
183	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MPC By Direct Method:	1 V to 10 V	0.003 % to 0.001 %
184	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MPC By Direct Method:	10 V to 1000 V	0.001%
185	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method	10 V to 1000 V	0.0003 % to 0.0002 %
186	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method	100 V to 1000 V	0.0003%
187	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MPC By Direct Method:	100 µV to 1 mV	0.069 % to 0.018 %

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188	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method	100 µV to 1 mV	0.002 % to 0.012 %
189	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method:	100 mV to 1 V	0.0005 % to 0.0002 %
190	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MPC By Direct Method:	100 mV to 1 V	0.001 % to 0.003 %
191	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method:	3 V to 33 V	0.0007 % to 0.0012 %
192	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method	300 mV to 3 V	0.0007 % to 0.0011 %
193	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method:	33 V to 330 V	0.0012 % to 0.0018 %

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194	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method:	330 V to 1000 V	0.0018 % to 0.0019 %
195	ELECTRO-TECHNICAL-DIRECT CURRENT (Source,Measure)	DC CURRENT	Using 8½ DMM By Direct Method	10 µA to 100 µA	0.004 % to 0.002 %
196	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	CURRENT TRANSFORMER PHASE ANGLE ERROR @ 50 Hz, 5A to 3200A / 1A-5A	Using Std. CT & AITTS-98 ELTEL Setup By Comparison Method	120 % to 1 %	1.13 min to 3.56 min
197	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	CURRENT TRANSFORMER RATIO ERROR@ 50 Hz, 5A to 3200A / 1A-5A	Using Std. CT & AITTS-98 ELTEL Setup By Comparison Method	120 % to 1 %	0.024 % to 0.064 %
198	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	PHASE ANGLE ERROR - CT PART (CT-PT TEST SET / ANALYZER) 1A & 5A	Using Std. CT & Std. Instrument Transformer Test Set By Comparison Method	200 % to 1 %	1min

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199	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	PHASE ANGLE ERROR - PT PART (CT-PT TEST SET /ANALYZER) 63.5V & 110V	Using Std. EPD with Std Capacitor & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.8min
200	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 110V-440V-660V-1100V-2200V-3300V//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	2.96 min
201	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 110V-440V-660V-1100V-2200V-3300V/v3//110V/v3	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	2.96 min
202	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 22kV-33kV//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.07 %
203	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 22kV-33kV//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	1.85 min

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204	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 6.6kV-11kV//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.08 %
205	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 6.6kV-11kV//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	3.41 min
206	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER RATIO ERROR 110V-440V-660V-1100V-2200V-3300V//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.07 %
207	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER RATIO ERROR 110V-440V-660V-1100V-2200V-3300V/v3//110V/v3	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.07 %
208	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER RATIO ERROR 22kV-33kV//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.07 %

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209	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER RATIO ERROR 6.6kV-11kV//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.08 %
210	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 3.3kV-6.6kV/v3//110 V/v3	Using Std. EPD with Std Capacitor & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	3.36 min to 3.53 min
211	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER RATIO ERROR 3.3kV-6.6kV/v3//110 V/v3	Using Std. EPD with Std Capacitor & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.08 % to 0.09 %
212	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 11kV-22kV-33kV/v3//110V/v3	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	3.36 min to 3.53 min
213	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER RATIO ERROR 11kV-22kV-33kV/v3//110V/v3	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.08 % to 0.09 %

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214	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	RATIO ERROR - CT PART (CT-PT TEST SET /ANALYZER) (1A & 5A)	Using Std. CT & Std. Instrument Transformer Test Set By Comparison Method	200 % to 1 %	0.03%
215	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	RATIO ERROR - PT PART (CT-PT TEST SET /ANALYZER) 63.5V & 110V	Using Std. EPD with Std Capacitor & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.02%
216	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	SPRT’s, PRT’s, RTD’s & RTD Based Digital Thermometer, TC & TC Based Indicators/Dry Well / Bath	Using SPRT Sensor with Indicator & Dry Bath by Comparision Method	100 °C to 660 °C	0.62 °C
217	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	OSCILLOSCOPE AMPLITUDE	Using MFC By Direct Method:	1.8 mV to 50 V	0.85 % to 0.14 %
218	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	OSCILLOSCOPE AMPLITUDE	Using MFC By Direct Method:	5 mV to 50 V	0.4 % to 0.04 %

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219	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	OSCILLOSCOPE BAND WIDTH	Using MFC By Direct Method:	50 kHz to 300 MHz	0.008 % to 0.006 %
220	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	OSCILLOSCOPE BAND WIDTH	Using MFC By Direct Method:	50 kHz to 500 MHz	0.12 % to 0.013 %
221	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	OSCILLOSCOPE TIME MARKER	Using MFC By Direct Method:	2 ns to 5 s	0.05 % to 0.031 %
222	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION B-TYPE	Using DMM 8½ DC mV Measurement method	600 °C to 1820 °C	0.02°C
223	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION C-TYPE	Using DMM 8½ DC mV Measurement method	0 °C to 2310 °C	0.05°C
224	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION E-TYPE	Using DMM 8½ DC mV Measurement method	-250 °C to 1000 °C	0.01°C

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225	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION J-TYPE	Using DMM 8½ DC mV Measurement method	-210 °C to 1200 °C	0.03°C
226	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION K-TYPE	Using DMM 8½ DC mV Measurement method	-200 °C to 1372 °C	0.03°C
227	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION L-TYPE	Using DMM 8½ DC mV Measurement method	-200 °C to 900 °C	0.03°C
228	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION N-TYPE	Using DMM 8½ DC mV Measurement method	-200 °C to 1300 °C	0.06°C
229	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION R-TYPE	Using DMM 8½ DC mV Measurement method	0 °C to 1767 °C	0.1°C
230	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION RTD (PT-100)	Using 8½ DMM by Resistance measurement direct method	-200 °C to 800 °C	0.01°C

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231	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION S-TYPE	Using DMM 8½ DC mV Measurement method	0 °C to 1767 °C	0.1°C
232	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION T-TYPE	Using DMM 8½ DC mV Measurement method	-200 °C to 400 °C	0.07°C
233	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION U-TYPE	Using DMM 8½ DC mV Measurement method	-200 °C to 600 °C	0.03°C
234	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION RTD (PT-100)	Using MFC Calibrator by Using Resistance source by Direct Method	-200 °C to 800 °C	0.25°C
235	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION B-TYPE	Using MFC Calibrator by DC mV measurement Method	600 °C to 1820 °C	0.49°C
236	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION E-TYPE	Using MFC Calibrator by DC mV measurement Method	-200 °C to 1000 °C	0.45°C

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237	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION J-TYPE	Using MFC Calibrator by DC mV measurement Method	-210 °C to 1200 °C	0.24°C
238	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION K-TYPE	Using MFC Calibrator by DC mV measurement Method	-200 °C to 1372 °C	0.37°C
239	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION L-TYPE	Using MFC Calibrator by DC mV measurement Method	-200 °C to 900 °C	0.43°C
240	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION N-TYPE	Using MFC Calibrator by DC mV measurement Method	-200 °C to 1300 °C	0.34°C
241	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION R-TYPE	Using MFC Calibrator by DC mV measurement Method	0 °C to 1767 °C	0.56°C
242	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION S-TYPE	Using MFC Calibrator by DC mV measurement Method	0 °C to 1767 °C	0.55°C

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243	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION T-TYPE	Using MFC Calibrator by DC mV measurement Method	-200 °C to 400 °C	0.56°C
244	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION U-TYPE	Using MFC Calibrator by DC mV measurement Method	-200 °C to 600 °C	0.65°C
245	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	FREQUENCY	Using Timer/Counter By Direct Method	1 Hz to 1.1 GHz	0.000012 % to 0.000025 %
246	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	PERIOD	Using Timer/Counter By Direct Method	2 ns to 5 s	0.11 % to 0.1 %
247	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	TIME INTERVAL	Using Timer by Comparison method	5 s to 86400 s	0.61 s to 0.84 s
248	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	FREQUENCY	Using MFC By Direct Method:	10 Hz to 1 MHz	0.0027 % to 0.257 %

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249	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	FREQUENCY	Using MFC By Direct Method:	10 Hz to 1.1 GHz	0.0004 % to 0.94 %
250	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	FREQUENCY	Using MFC By Direct Method:	10 Hz to 330 MHz	0.18 % to 0.0032 %
251	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact Type)	0.01 L.C. Using tachometer calibrator by comparison method	10 rpm to 5000 rpm	2.45rpm
252	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Photo-Contact Type)	0.01 L.C. Using tachometer calibrator by comparison method	10 rpm to 99000 rpm	2.45rpm
253	MECHANICAL-ACOUSTICS	Sound Level Meter	Using Sound Level Calibrator By Comparison	114 dB	0.61dB
254	MECHANICAL-ACOUSTICS	Sound Level Meter	Using Sound Level Calibrator By Comparison	94 dB	0.61dB
255	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge with Dial (Transmission Accuracy)	Using Electronic Dial Calibration Tester/Plunger Dial Gauge By Comparison Method	0 mm to 1 mm	2.7µm

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256	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper L.C. 0.01mm	Using Caliper Checker & External Micrometer By Comparison Method	0 to 600 mm	15µm
257	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	COATING THICKNESS GAUGE	Using Master Foils. By Comparison Method	0 mm to 723 µm	1.88µm
258	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical measuring Pin	Using ULM By Comparison Method	0 to 20 mm	0.9µm
259	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Gauge LC 0.01 mm	Using Depth Checker By Comparison Method	0 to 300 mm	10.33µm
260	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer LC 0.01 mm	Using Depth Checker By Comparison Method	0 to 300 mm	13.0µm

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261	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge (Lever Type) LC 0.001 mm	Using electronic Dial Calibration Tester/ ULM By Comparison Method	0 mm to 1 mm	2.0µm
262	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge (Plunger Type) LC 0.001 mm	Using Electronic Dial Calibration Tester By comparison Method	0 to 25 mm	2.0µm
263	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Snap Gauge LC 0.001 mm Parallelism of Anvil faces	Using Gauge Block Set By Comparison Method	5 mm to 100 mm	2.8µm
264	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge LC 0.01 mm	Using Gauge Block Set By Comparison Method	0 to 10 mm	6.6µm
265	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Digimatic Indicator LC 0.001 mm	Using Electronic Dial Calibration Tester By Comparison Method	0 to 25 mm	2.0µm

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266	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer LC 0.01 mm	Using Slip Gauge set,Long Slip gauge set,Gauge Block Set by comparison method	0 to 100 mm	1.4µm
267	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer LC 0.001 mm LC 0.01 mm	Using Slip Gauge Set,Long Slip Gauge,Gauge Block Set By comparison Method	100 mm to 400 mm	11.9µm
268	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler gauge / Coating Foils	Using ULM By Comparison Method	0 mm to 2.5 mm	0.9µm
269	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge LC 0.01 mm	Using Caliper Checker & Surface Plate By comparison Method	0 to 600 mm	12.4µm
270	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale	Using electronic tape & Scale Calibrator By Comparison Method	0 to 1000 mm	17.3µm

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271	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring tape	Using Electronic tape & Scale Calibrator By Comparison Method	0 m to 30 m	165XSqrt(L/1000)µm , where L in metre.
272	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Rod	Using ULM By Comparison Method	25 mm to 400 mm	5.7µm
273	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper LC 0.10 mm	Using Gauge Block Set By Comparison Method	0 to 50 mm	80µm
274	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge/OD Gauge/Paddle Gauge	Using ULM By Comparison Method	3.0 mm to 250 mm	6.1µm
275	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge/ID Gauge/Setting Ring Gauge	Using ULM /Master Ring Gauge By Comparison Method	4 mm to 250 mm	6.5µm

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276	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge	Using video Measuring Machine By Comparison Method	0.1 mm to 25 mm	6µm
277	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge / Gap Gauge	By Using Gauge Block Set By Comparison Method	1 mm to 50 mm	1.5µm
278	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge /Gap Gauge	Using Gauge Block Set By Comparison Method	100 mm to 300 mm	4.8µm
279	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge /Gap Gauge	Using Gauge Block Set By Comparison Method	50 mm to 100 mm	2µm
280	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Video Measuring Machine By Comparison Method	0.045 mm to 1 mm	10.3µm

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281	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Measuring Wire	Using ULM By Comparison Method	0.17 mm to 6.35 mm	0.9µm
282	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch gauge	Using Video Measuring Machine By Comparison Method	0.605 mm to 6.350 mm	12µm
283	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge	Using ULM & Thread Measuring Wire By Comparison Method	3 mm to 250 mm	4.9µm
284	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge	Using ULM & master Ring gauge By Comparison Method	4 mm to 250 mm	5.1µm
285	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	CALIPER CHECKER	By using Slip Gauge set of 'O' Grade & Electronic Height Gauge. By Comparison Method:	0 to 600 mm	6.0µm

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286	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Tape & Scale Calibrator	By using Slip Gauge set of 'O' Grade. By comparison method	0 to 1000 mm	9µm
287	MECHANICAL-PRESSURE BALANCE OR DEAD WEIGHT TESTER	Hydraulic Dead Weight Tester	Using Piston Gauge by Cross Float Method (Euramet cg-3)	5.6 bar to 56 bar	0.014%
288	MECHANICAL-PRESSURE BALANCE OR DEAD WEIGHT TESTER	Hydraulic Dead Weight Tester	Using Piston Gauge by Cross Float Method (Euramet cg-3)	50 bar to 1000 bar	0.014%
289	MECHANICAL-PRESSURE INDICATING DEVICES	Dial and Digital Vacuum Gauge/Indicator	Using Digital Vacuum Gauge with Hand Pump By Comparison Method as per DKD Standard By Comparison Method Digital Vacuum Gauge with Hand Pump Standard Based on DKD-R-6-1	-0.88 bar to -0.1 bar	0.013bar
290	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure Dial and Digital Pressure gauge/Indicator	Using Hydraulic Dead Weight Tester By Direct Method UUC to Standard based on DKD-R-6-1	20 bar to 1000 bar	0.12bar

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291	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure Dial and Digital Pressure gauge/Indicator	Using Hydraulic Dead Weight Tester By Direct Method UUC to Standard based on DKD-R-6-1	4 bar to 100 bar	0.06bar
292	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure Dial and Digital Pressure gauge/Indicator	Using Hydraulic Piston Gauge By Direct Method UUC to Standard based on DKD-R-6-1	5.6 bar to 56 bar	0.035bar
293	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure Dial and Digital Pressure gauge/Indicator	Using Hydraulic Piston Gauge By Direct Method UUC to Standard based on DKD-R-6-1	50 bar to 1750 bar	0.23bar
294	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure Gauge/Indicator	Using Digital Pressure Gauge with Hand Pump By comparison Method as per DKD R6-1 By Comparison Method Digital Pressure Gauge with hand pump Standard based on DKD-R-6-1	0 bar to 35 bar	0.041bar
295	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure Transmitter/Switch/ Transducer/Indicator	Using Digital Pressure Gauge with Hand Pump, 6½ DMM By comparison Method as per DKD-R-6-1	0 bar to 35 bar	0.041bar

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296	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench (Type I & II)	Using Electronic Torque Wrench tester By Comparison Method:	100 Nm to 1000 Nm	1.14%
297	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench (Type I & II)	Using Electronic Torque Wrench tester By Comparison Method	10 Nm to 100 Nm	1.32%
298	MECHANICAL-VOLUME	Pipette/Burette/Measuring Cylinder/Volumetric Flask/Graduated jar/Can 0.01 L.C.	Using Standard Weights of Accuracy Class E1 Precision Balance(d=0.01 mg , d=0.1 mg)& Distilled Water of known Density By Gravitational Method Based on ISO 4787	1 ml to 2 ml	7µl
299	MECHANICAL-VOLUME	Pipette/Burette/Measuring Cylinder/Volumetric Flask/Graduated jar/Can 0.01 L.C.	Using Standard Weights Of Accuracy Class E1 Precision balance (d=0.01 mg , d=0.1 mg) & Distilled water of known Density By Gravimetric Method Based On ISO 4787	5 ml to 50 ml	11µl

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300	MECHANICAL-WEIGHTS	Weight (F1 Class & Coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.:	20 g	0.04mg
301	MECHANICAL-WEIGHTS	Weight (E2 Class & Coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.:	100 g	0.03mg

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302	MECHANICAL-WEIGHTS	Weight (F1 class and coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.	5 g	0.03mg
303	MECHANICAL-WEIGHTS	Weight (F1 class and coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.:	1 g	0.03mg

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304	MECHANICAL-WEIGHTS	Weight (F1 Class & Coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.:	10 g	0.03mg
305	MECHANICAL-WEIGHTS	Weight (F1 Class & Coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.	500 mg	0.03mg

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306	MECHANICAL-WEIGHTS	Weight (F2 class and coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser	200 mg	0.03mg
307	MECHANICAL-WEIGHTS	Weight (F2 Class & Coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser	10 mg	0.03mg

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308	MECHANICAL-WEIGHTS	Weight (F2 Class & coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.:	100 mg	0.03mg
309	MECHANICAL-WEIGHTS	Weight (F2 Class & Coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.:	20 mg	0.03mg

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310	MECHANICAL-WEIGHTS	Weight (F2 Class & coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.:	50 mg	0.03mg
311	MECHANICAL-WEIGHTS	Weight (M1 Class & Coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.:	2 g	0.19mg

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312	MECHANICAL-WEIGHTS	Weight (M1 Class & Coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.:	5 mg	0.03mg
313	MECHANICAL-WEIGHTS	Weight (M1 Class)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser	1 mg	0.03mg

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314	MECHANICAL-WEIGHTS	Weight(M3 class)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.:	200 g	36mg
315	MECHANICAL-WEIGHTS	Weight(of M1 class and coarser	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.:	2 mg	0.03mg

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316	MECHANICAL-WEIGHTS	Weight(F1 class and coarser)	Using E1 class weight set and semi micro weighing balance of 0.01mg and 0.1mg readability, Direct comparison using ABBA weighing cycle as per OIML R111-1 for weights of F2 class and coarser.:	50 g	0.08mg
317	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Transmitter / Digital Humidity Meters @10% RH to 95% RH	Using Indicator of Humidity Chamber/ generator. RH and temperature meter with the probe by comparison method.	10 °C to 60 °C	0.22°C
318	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Dial / Digital Meters @ 25°C to 60°C	Using Indicator of Humidity Chamber/ generator by comparison method	10 % to 95 %	1.206%RH
319	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Measuring Devices/Controller/ Humidity Chambers Thermo Hygrometer @ 25°C to 60°C	Using Indicator of Humidity Chamber/ generator by comparison method	10 % to 95 %	1.206%RH
320	THERMAL-SPECIFIC HEAT & HUMIDITY	Liquid in Glass Thermometer	Using oil Temperature bath, SPRT Sensor with Indicator by Comparison Method	100 °C to 250 °C	0.6 °C

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321	THERMAL-SPECIFIC HEAT & HUMIDITY	liquid in Glass Thermometer	Using Low Temperature liquid bath, SPRT Sensor with Indicator by Comparison Method	-50 °C to 100 °C	0.06 °C
322	THERMAL-TEMPERATURE	Infrared / Non-Contact Thermometers/ Thermal Imager	Using Non-Contact Pyrometer/ Thermal Imager & Black Body Furnace (emissivity 0.95) by Comparison Method	50 °C to 600 °C	5°C
323	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using SPRT Sensor with indicator, oil bath by Comparison Method	20 °C to 35 °C	0.06°C
324	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using SPRT Sensor with indicator, oil Bath by Comparison Method	35 °C to 250 °C	0.601°C
325	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using SPRT Sensor with indicator, low temperature bath by Comparison Method	-50 °C to 20 °C	0.06°C
326	THERMAL-TEMPERATURE	SPRT's, PRT's, RTD's & RTD Based Digital Thermometer, TC & TC Based Indicators / Dry well / Bath	Using SPRT Sensor with indicator, Low Temperature Bath & Dry Bath by Comparison Method	-80 °C to 100 °C	0.016°C

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327	THERMAL-TEMPERATURE	Thermocouple / Temperature Sensor with and without Indicators and Temperature gauge / Dry well / Bath	Using Standard S Type TC with indicator & Dry Well Bath by comparison Method	650 °C to 900 °C	0.74°C
328	THERMAL-TEMPERATURE	Thermocouple / Temperature Sensor with and without Indicators and Temperature gauge/ Dry well / Bath	Using Standard R Type TC with indicator & Dry Well Bath by comparison Method	650 °C to 900 °C	0.74°C
329	THERMAL-TEMPERATURE	Thermocouple / Temperature Sensor with and without Indicators and Temperature gauge/ Dry well / Bath	Using Standard R Type TC with indicator & Dry Well Bath by comparison method	900 °C to 1200 °C	1.7°C
330	THERMAL-TEMPERATURE	Thermocouple / Temperature Sensor with and without Indicators and Temperature gauge/ Dry well / Bath	Using Standard S Type TC with indicator & Dry Well Bath by comparison Method	900 °C to 1200 °C	1.7°C

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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @ 50Hz	Using Standard Current Transformer & 6½ Digit Multi Meter	5 A to 6000 A	0.02%
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @ 50Hz to 1kHz	Using 6½ DMM By Direct Method	10 µA to 100 µA	0.1 % to 0.02 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @ 50Hz to 1kHz	Using 6½ DMM By Direct Method	10 mA to 10 A	0.043 % to 0.3 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @ 50Hz to 1kHz	Using 6½ DMM By Direct Method	100 µA to 10 mA	0.02 % to 0.043 %

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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC CURRENT @50Hz	Power Analyzer by direct Method	1 A to 500 A	0.097 % to 0.45 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC HIGH VOLTAGE @50Hz	Using High Voltage Divider By Comparison Method	1 kV to 100 kV	1.22 % to 1.71 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC POWER & ACTIVE ENERGY SINGLE & THREE PHASE AT 50Hz, 1V TO 1000V, 500mA TO 300A, 0.2PF LAG/LEAD TO UPF	Using Digital Power Analyzer by Direct Method	0.2 W to 300 kW	0.17 % to 0.4%
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC POWER & REACTIVE ENERGY SINGLE & THREE PHASE AT 50Hz, 1V TO 1000V, 5mA TO 300 A, 0.2PF LAG/LEAD TO UPF	Using Digital Power Analyzer by Direct Method	0.1 Var to 300 kVar	0.17% to 0.4 %

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9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC POWER & ACTIVE/ REACTIVE ENERGY SINGLE & THREE PHASE AT 50Hz, 1V TO 1000V, 5mA TO 200A, 0.2PF LAG/LEAD TO UPF	Using POWER ANALYZER By Comparison Method	24 W to 74 kW	0.04 % to 0.03 %
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC RESISTANCE @1kHz	Using LCR Meter By Direct Method	10 mohm to 10 kohm	1.19 % to 0.42 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE @ 40Hz to 1kHz	Using 6½ DMM By Direct Method	2 mV to 20 mV	0.302 % to 0.033 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE @ 40Hz to 1kHz	Using 6½ DMM By Direct Method	20 mV to 200 mV	0.033 % to 0.021 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE @ 40Hz to 1kHz	Using 6½ DMM By Direct Method	200 mV to 200 V	0.021 % to 0.015 %

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14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC VOLTAGE @ 50 Hz TO 1 kHz	Using 6½ DMM By Direct Method	200 V to 1000 V	0.015 % to 0.016 %
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	CAPACITANCE & TAN DELTA@10kV	Using Standard Capacitor with different Tan delta & Tan delta Bridge by comparison method	100 pF, Tan delta 0.01 % to 1 %	0.29 % to 0.27, 0.000056 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	CAPACITANCE & TAN DELTA@10kV	Using Standard Capacitor with different Tan delta & Tan delta Bridge by comparison method	1000pF, Tan Delta 0.01 % to 10 %	0.29 % to 0.27, 0.0006 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	CAPACITANCE & TAN DELTA@2kV	Using Standard Capacitor with different Tan delta & Tan delta Bridge	10000 pF, Tan Delta:0.5 % to 1 %	0.29% to 0.27 %, 0.000056 % to to 0.0006 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	CAPACITANCE @1kHz	Using 6½ DMM By Direct Method	1 nF to 1 mF	0.996 % to 1.70 %

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19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	CAPACITANCE @1kHz	Using LCR Meter By Direct Method	100 pF to 1 mF	0.13 % to 0.17 %
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	HARMONICS ORDER @ 30V TO 240V AND 1mA TO 120A	Using POWER ANALYZER By Comparison Method	1st Order to 39th Order	0.8%
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	HARMONICS ORDER @ 30V TO 240V AND 1mA TO 120A	Using KIGG POWER ANALYZER By Comparison Method	1st Order to 50th Order	0.8%
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	INDUCTANCE @1kHz	Using LCR Meter By Direct Method	100 µH to 10 H	0.14 % to 0.13 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	POWER FACTOR (PHASE ANGLE)	Using POWER ANALYZER By Comparison Method	0.2 Lag & Lead to UPF	0.0031 pF

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24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	VA (PT BURDEN BOX 110V & 63.5V) 50Hz & 60Hz@ 0.8PF	Using Digital Power Analyzer by Direct Method	2.5 VA to 300 VA	0.2 % to 0.3 %
25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 10 kHz	Using MFC By Direct Method	330 mA to 3 A	0.439 % to 0.062 %
26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz to 30 kHz	Using MFC By Direct Method	2 mA to 330 mA	0.553 % to 0.439 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 40 Hz to 1 kHz	Using MFC By Direct Method	10 µA to 190 µA	0.101 % to 0.046 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 30 kHz	Using MFC By Direct Method	330 µA to 2 mA	0.002%

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29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 30 kHz	Using MFC By Direct Method	10 mA to 10 A	0.036 % to 0.113 %
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 30 kHz	Using MFC By Direct Method	190 µA to 330 µA	0.046 % to 0.289 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 5 kHz	Using MFC By Direct Method	11 A to 20 A	0.114 % to 0.176 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 5 kHz	Using MFC By Direct Method	3 A to 11 A	2.503 % to 0.114 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using MFC & 50 Turn Coil By Direct Method	20 A to 1000 A	0.055 % to 0.32 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using MPC By Direct Method	10 µA to 100 µA	0.142 % to 0.149 %

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35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using MFC By Direct Method	100 µA to 10 mA	0.025 % to 0.036 %
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC POWER SINGLE PHASE AT 50Hz, 1V TO 1000V, 500mA TO 300A, 0.2PF LAG/LEAD TO UPF	Using MFC With 50 Turns Current Coil Direct Method	0.1 W to 300 kW	0.42 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC POWER SINGLE PHASE AT 50Hz, 1V TO 1000V, 500mA TO 80A, 0.2PF LAG/LEAD TO UPF	Using Power Standard By Direct Method	0.1 W to 80 kW	0.4%
38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	1 kohm@ 0.035 A	0.24%
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method	1 mohm@50 A	0.03%
40	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	1 Ohm@1.2A	0.24%

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41	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	10 kohm@ 0.015 A	0.24%
42	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	10 mohm to 10 mohm @15A	0.03%
43	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	10 Ohm@0.35A	0.24%
44	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method	100 µohm, 100 A	0.03%
45	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	100 mohm@ 3.5 A	0.03%
46	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC RESISTANCE @1kHz	Using Decade Resistance Box By Direct Method:	100 Ohm@0.12 A	0.24%

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47	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @10Hz to 100kHz	Using MFC By Direct Method:	300 mV to 3 V	0.034 % to 0.062 %
48	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @40Hz to 20kHz	Using MPC By Direct Method:	1 mV to 20 mV	0.4 % to 0.019 %
49	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @40Hz to 20kHz	Using MFC By Direct Method	1 mV to 3 mV	0.4 % to 0.035 %
50	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @40Hz to 20kHz	Using MPC By Direct Method:	20 mV to 20 V	0.019 % to 0.039 %
51	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @40Hz to 20kHz	Using MPC By Direct Method:	20 V to 200 V	0.017 % to 0.015 %
52	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @45Hz to 300kHz	Using MFC By Direct Method	3 mV to 300 mV	0.035 % to 0.034 %

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53	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @45Hz to 50kHz	Using MFC By Direct Method	3 V to 300 V	0.062 % to 0.012 %
54	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @45Hz to 8kHz	Using MFC By Direct Method	300 V to 1000 V	0.012 % to 0.004 %
55	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC VOLTAGE @50Hz to 1kHz	Using MPC By Direct Method	200 V to 1000 V	0.015 % to 0.02 %
56	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	CAPACITANCE & TAN DELTA@10kV	Using Standard Capacitor with different Tan delta & Tan delta Bridge by comparison method	100 pF, Tan Delta 0.01 % to 10 %	0.29 % to 0.27, 0.000056 %
57	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	CAPACITANCE & TAN DELTA@10kV	Using Standard Capacitor with different Tan delta & Tan delta Bridge	1000 pF, Tan Delta 0.01 % to 10 %	0.29, 0.000056 % to 0.27, 0.0006 %
58	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	CAPACITANCE & TAN DELTA@2kV	Using Standard Capacitor with different Tan delta & Tan delta Bridge	Capacitance: 0.5pF to 10000 pF, TAN DELTA: 1 %	0.29 % to 0.27, 0.000056 %

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59	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	CAPACITANCE @1kHz	Using Decade Capacitance Box By Direct Method:	100 pF to 100 µF	1.16 % to 1.7 %
60	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	CAPACITANCE @1kHz	Using MFC By Direct Method:	220 pF to 1 mF	1.7%
61	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	CAPACITANCE @1kHz	Using MFC By Direct Method	220 pF to 110 mF	0.004 % to 0.511 %
62	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	HARMONICS	Using MFC By Direct Method:	1st Order to 25th Order	0.6%
63	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	HARMONICS	Using MFC By Direct Method:	1st Order to 39th Order	0.6%
64	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	INDUCTANCE @1kHz	Using Decade Inductance Box By Direct Method:	100 µH to 10 H	0.38 % to 0.2 %

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65	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	POWER FACTOR	Using MPC By Direct Method:	0.2 LAG/LEAD to 1 UPF	0.004 to 0.0031
66	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	POWER FACTOR	Using MFC By Direct Method	0.2 LAG/LEAD to UPF	0.004 pF to 0.0031 pF
67	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC CURRENT	Using 6½ DMM By Direct Method	1 A to 10 A	0.034 % to 0.016 %
68	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC CURRENT	Using Power Analyzer by direct Method	1 A to 500 A	0.144 % to 0.7 %
69	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC CURRENT	Using 6½ DMM By Direct Method	10 µA to 100 µA	0.08 % to 0.006 %
70	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC CURRENT	Using 6½ DMM By Direct Method	100 mA to 1 A	0.008 % to 0.034 %

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71	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC HIGH VOLTAGE	Using High Voltage Divider with kV Meter By Comparison Method	1 kV to 40 kV	2.81 % to 2.56 %
72	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC RESISTANCE	Using Digital Low Resistance Meter at 600 A DC By Direct Method	1 µohm to 1 mohm	1.43 % to 0.84 %
73	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC RESISTANCE	Using 6½ DMM By Direct Method	1 mohm to 1 Gohm	0.685 % to 1.66 %
74	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC RESISTANCE	Using Digital Insulation Tester By Direct Method	100 kohm to 10 Tohm	0.92 % to 2.75 %
75	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC VOLTAGE	Using 6½ DMM By Direct Method	1 mV to 10 mV	0.035%
76	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC VOLTAGE	Using 6½ DMM By Direct Method	10 mV to 10 V	0.035 % to 0.01 %

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77	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC VOLTAGE	Using 6½ DMM By Direct Method	10 V to 1000 V	0.001%
78	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MPC By Direct Method	10 µA to 100 µA	0.093 % to 0.004 %
79	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	10 µA to 200 µA	0.007 % to 0.0025 %
80	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MPC By Direct Method:	100 µA to 100 mA	0.004 % to 0.01 %
81	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MPC By Direct Method	100 mA to 10 A	0.01 % to 0.048 %
82	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	2 A to 20 A	0.036 % to 0.097 %

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83	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	2 mA to 20 mA	0.0011 % to 0.0012 %
84	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	2 mA to 20 mA	0.006%
85	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC & 50 Turn Coil By Direct Method:	20 A to 1000 A	0.049 % to 0.1 %
86	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	20 mA to 200 mA	0.006%
87	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	200 µA to 2 mA	0.0025 % to 0.006 %
88	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using MFC By Direct Method	200 mA to 2 A	0.006%

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89	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE DISCRETE VALUE	Using MFC By Direct Method:	1 mohm	0.118%
90	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	1 kohm@0.035A	0.23%
91	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using MFC By Direct Method:	1 mohm to 330 Mohm	0.3 % to 0.06 %
92	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	1 mohm@ 50 A	0.162%
93	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Standard Resistance	1 Ohm@0.5A	0.001%
94	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	1 Ohm@1.2A	0.0042%

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95	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	10 kohm@0.015 A	0.23%
96	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	10 mohm@15 A	0.0042%
97	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	10 Ohm@0.35A	0.0012%
98	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	100 µohm@100A to	0.87%
99	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method:	100 kohm to 10 Tohm	0.07 % to 1.84 %
100	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	100 mohm@3.5A	0.0042%

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101	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE	Using Decade Resistance Box By Direct Method	100 Ohm@0.12A	0.23%
102	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE (4 Wire)	Using Shunt By Direct Method	1 µohm@ 200 A	0.61%
103	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE (4 Wire)	Using Shunt By Direct Method	1 mohm@100A	0.61%
104	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE (4 Wire)	Using Shunt By Direct Method	10 µohm@200 A	0.87%
105	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE (4 Wire)	Using Shunt By Direct Method	100 µohm@200A to	0.87%
106	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE(4 Wire)	Using Standard Resistance	10 Mohm @ 20µA	0.007%

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107	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE(4 Wire)	Using Standard Resistance	10 Ohm@ 0.1A	0.0009%
108	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC RESISTANCE(4 Wire)	Using Standard Resistance	100 Ohm@0.02A	0.0012%
109	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MPC By Direct Method:	1 mV to 100 mV	0.018 % to 0.001 %
110	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method:	1 mV to 300 mV	0.012 % to 0.0007 %
111	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MPC By Direct Method:	1 V to 10 V	0.003 % to 0.001 %
112	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MPC By Direct Method:	10 V to 1000 V	0.001%

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113	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MPC By Direct Method:	100 µV to 1 mV	0.069 % to 0.018 %
114	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method	100 µV to 1 mV	0.002 % to 0.012 %
115	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MPC By Direct Method:	100 mV to 1 V	0.001 % to 0.003 %
116	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method:	3 V to 33 V	0.0007 % to 0.0012 %
117	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method	300 mV to 3 V	0.0007 % to 0.0011 %
118	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method:	33 V to 330 V	0.0012 % to 0.0018 %

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119	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC VOLTAGE	Using MFC By Direct Method:	330 V to 1000 V	0.0018 % to 0.0019 %
120	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	CURRENT TRANSFORMER PHASE ANGLE ERROR@ 50 Hz, 5A to 6000A / 1A-5A	Using Std. CT & instrument test set by Comparison Method	120 % to 1 %	0.96 Min to 3.56 Min
121	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	CURRENT TRANSFORMER RATIO ERROR@ 50 Hz, 5A to 6000A / 1A-5A	Using Std. CT & instrument test set by Comparison Method	120 % to 1 %	0.014 % to 0.064 %
122	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	PHASE ANGLE ERROR - CT PART (CT-PT TEST SET / ANALYZER) 1A & 5A	Using Std. CT & Std. Instrument Transformer Test Set By Comparison Method	200 % to 1 %	1min
123	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	PHASE ANGLE ERROR - PT PART (CT-PT TEST SET /ANALYZER) 63.5V & 110V	Using Std. EPD with Std Capacitor & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.8min

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124	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 110V-440V-660V-1100V-2200V-3300V//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	2.96 min
125	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 110V-440V-660V-1100V-2200V-3300V/v3//110V/v3	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	2.96 min
126	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 22kV-33kV//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	1.85 min
127	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 22kV-33kV/v3//110V/v3	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	1.85 min
128	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 6.6kV-11kV//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	3.41 min

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129	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER PHASE ANGLE ERROR 6.6kV-11kV/v3//110V /v3	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	3.41 min
130	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER RATIO ERROR 110V-440V-660V-1100V-2200V-3300V//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.07 %
131	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER RATIO ERROR 110V-440V-660V-1100V-2200V-3300V/v3//110V/v3	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.07 %
132	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER RATIO ERROR 22kV-33kV//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.07 %
133	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER RATIO ERROR 22kV-33kV/v3//110V /v3	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.07 %

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134	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER RATIO ERROR 6.6kV-11kV//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.08 %
135	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER RATIO ERROR 6.6kV-11kV//110V	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.08%
136	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	POTENTIAL TRANSFORMER RATIO ERROR 6.6kV-11kV/v3//110V /v3	Using Std. PT & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.08 %
137	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	RATIO ERROR - CT PART (CT-PT TEST SET /ANALYZER) (1A & 5A)	Using Std. CT & Std. Instrument Transformer Test Set By Comparison Method	200 % to 1 %	0.03%
138	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	RATIO ERROR - PT PART (CT-PT TEST SET /ANALYZER) 63.5V & 110V	Using Std. EPD with Std Capacitor & Instrument Transformer Test Set By Comparison Method	150 % to 2 %	0.02%

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139	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	OSCILLOSCOPE AMPLITUDE	Using MFC By Direct Method:	1.8 mV to 50 V	0.85 % to 0.14 %
140	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	OSCILLOSCOPE AMPLITUDE	Using MFC By Direct Method:	5 mV to 50 V	0.4 % to 0.04 %
141	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	OSCILLOSCOPE BAND WIDTH	Using MFC By Direct Method:	50 kHz to 300 MHz	0.008 % to 0.006 %
142	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	OSCILLOSCOPE BAND WIDTH	Using MFC By Direct Method:	50 kHz to 500 MHz	0.12 % to 0.013 %
143	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	OSCILLOSCOPE TIME MARKER	Using MFC By Direct Method:	2 ns to 5 s	0.05 % to 0.031 %
144	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION B-TYPE	Using DMM 8½ DC mV Measurement method	600 °C to 1820 °C	0.02°C

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145	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION C-TYPE	Using DMM 8½ DC mV Measurement method	0 °C to 2310 °C	0.05°C
146	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION E-TYPE	Using DMM 8½ DC mV Measurement method	-250 °C to 1000 °C	0.01°C
147	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION J-TYPE	Using DMM 8½ DC mV Measurement method	-210 °C to 1200 °C	0.03°C
148	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION K-TYPE	Using DMM 8½ DC mV Measurement method	-200 °C to 1372 °C	0.03°C
149	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION L-TYPE	Using DMM 8½ DC mV Measurement method	-200 °C to 900 °C	0.03°C
150	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION N-TYPE	Using DMM 8½ DC mV Measurement method	-200 °C to 1300 °C	0.06°C

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151	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION R-TYPE	Using DMM 8½ DC mV Measurement method	0 °C to 1767 °C	0.1°C
152	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION RTD (PT-100)	Using 8½ DMM by Resistance measurement direct method	-200 °C to 800 °C	0.01°C
153	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION S-TYPE	Using DMM 8½ DC mV Measurement method	0 °C to 1767 °C	0.1°C
154	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION T-TYPE	Using DMM 8½ DC mV Measurement method	-200 °C to 400 °C	0.07°C
155	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	TEMPERATURE SIMULATION U-TYPE	Using DMM 8½ DC mV Measurement method	-200 °C to 600 °C	0.03°C
156	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION RTD (PT-100)	Using MFC Calibrator by Using Resistance source by Direct Method	-200 °C to 800 °C	0.25°C

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157	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION B-TYPE	Using MFC Calibrator by DC mV measurement Method	600 °C to 1820 °C	0.49°C
158	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION E-TYPE	Using MFC Calibrator by DC mV measurement Method	-200 °C to 1000 °C	0.45°C
159	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION J-TYPE	Using MFC Calibrator by DC mV measurement Method	-210 °C to 1200 °C	0.24°C
160	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION K-TYPE	Using MFC Calibrator by DC mV measurement Method	-200 °C to 1372 °C	0.37°C
161	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION L-TYPE	Using MFC Calibrator by DC mV measurement Method	-200 °C to 900 °C	0.43°C
162	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION N-TYPE	Using MFC Calibrator by DC mV measurement Method	-200 °C to 1300 °C	0.34°C

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163	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION R-TYPE	Using MFC Calibrator by DC mV measurement Method	0 °C to 1767 °C	0.56°C
164	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION S-TYPE	Using MFC Calibrator by DC mV measurement Method	0 °C to 1767 °C	0.55°C
165	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION T-TYPE	Using MFC Calibrator by DC mV measurement Method	-200 °C to 400 °C	0.56°C
166	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	TEMPERATURE SIMULATION U-TYPE	Using MFC Calibrator by DC mV measurement Method	-200 °C to 600 °C	0.65°C
167	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	FREQUENCY	Using Timer/Counter By Direct Method	1 Hz to 1.1 GHz	0.000012 % to 0.000025 %
168	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	PERIOD	Using Timer/Counter By Direct Method	2 ns to 5 s	0.11 % to 0.1 %

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169	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	TIME INTERVAL	Using Timer by Comparison method	5 s to 86400 s	0.61 s to 0.84 s
170	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	FREQUENCY	Using MFC By Direct Method:	10 Hz to 1.1 GHz	0.0004 % to 0.94 %
171	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	FREQUENCY	Using MFC By Direct Method:	10 Hz to 330 MHz	0.18 % to 0.0032 %
172	MECHANICAL-ACCELERATION AND SPEED	Speed (Centrifuge)	1 L.C. Using Tachometer By Comparison Method	150 rpm to 8000 rpm	1.9% to 0.2%
173	MECHANICAL-ACOUSTICS	Sound Level Meter	Using Sound Level Calibrator By Comparison	114 dB	0.61dB
174	MECHANICAL-ACOUSTICS	Sound Level Meter	Using Sound Level Calibrator By Comparison	94 dB	0.61dB
175	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Tape & Scale Calibrator	By using Slip Gauge set of 'O' Grade. By comparison method	0 to 1000 mm	9µm

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176	MECHANICAL-PRESSURE INDICATING DEVICES	Dial and Digital Vacuum Gauge/Indicator	Using Digital Vacuum Gauge with Hand Pump By Comparison Method as per DKD Standard By Comparison Method Digital Vacuum Gauge with Hand Pump Standard Based on DKD-R-6-1	-0.88 bar to -0.1 bar	0.013bar
177	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure Gauge/Indicator	Using Digital Pressure Gauge with Hand Pump By comparison Method as per DKD R6-1 By Comparison Method Digital Pressure Gauge with hand pump Standard based on DKD-R-6-1	0 bar to 35 bar	0.041bar
178	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure Transmitter/Switch/ Transducer/Indicator	Using Digital Pressure Gauge with Hand Pump, 6½ DMM By comparison Method as per DKD-R-6-1	0 bar to 35 bar	0.041bar

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179	MECHANICAL-WEIGHING SCALE AND BALANCE	Digital Weighing Balance # Readability = 0.1 µg & coarser accuracy class I & coarser	By Using 'E1' Class Weights as per OIML R-76-1	1 mg to 82 g	0.01mg
180	MECHANICAL-WEIGHING SCALE AND BALANCE	Digital Weighing Balance # Readability = 0.1 mg & coarser accuracy class I & coarser	By Using 'E1' Class Weights as per OIML R-76-1	1 g to 55 kg	0.14mg
181	MECHANICAL-WEIGHING SCALE AND BALANCE	Digital Weighing Balance # Readability = 0.1 mg & coarser accuracy class I & coarser	By Using 'E1' Class Weights as per OIML R-76-1	1 mg to 200 g	0.25mg
182	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Transmitter / Digital Humidity Meters @10% RH to 95% RH	Using Indicator of Humidity Chamber/ generator. RH and temperature meter with the probe by comparison method.	10 °C to 60 °C	0.22°C
183	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Dial / Digital Meters @ 25°C to 60°C	Using standard Humidity & Temperature Indicator by direct method	10 % to 95 %	1.206%RH

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184	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator of Humidity Chambers, Dry cabinet, Dehumidifier @ 25°C to 60°C	Using standard Humidity & Temperature Indicator by direct method at single location.	10 % to 95 %	1.206%RH
185	THERMAL-TEMPERATURE	Freezer	Using Standard RTD with Multi Channel Data Logger by (Minimum 9 location) by multi position method as per IEC60068-3-5	-80 °C to 25 °C	3°C
186	THERMAL-TEMPERATURE	Furnace / Muffle Furnace	Using Standard N Type TC with Multi Channel Data Logger (Minimum 9 location) by multi position method by using IEC60068-3-5	350 °C to 1200 °C	8.5°C
187	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using Sensor with indicator & 0il Bath by Comparison Method	-25 °C to 110 °C	0.06°C
188	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using SPRT Sensor with indicator, oil Bath by Comparison Method	35 °C to 250 °C	0.601°C

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189	THERMAL-TEMPERATURE	Oven/Autoclave/ Environmental Chamber	Using Standard RTD with Multi Channel Data Logger (Minimum 9 location) by Multi-position method as per IEC60068-3-5	30 °C to 350 °C	2.7°C
190	THERMAL-TEMPERATURE	Refrigerator	Using Standard RTD with Multi Channel Data Logger by (Minimum 9 location) by multi position method as per IEC60068-3-5	-10 °C to 10 °C	3°C
191	THERMAL-TEMPERATURE	Refrigerator/ Freezer	Using Standard RTD with Multi Channel Data Logger by (Minimum 9 location) by multi position method as per IEC60068-3-5	-80 °C to 25 °C	3°C
192	THERMAL-TEMPERATURE	RTD's & RTD Based Digital Thermometer, TC & TC Based Indicators/ Temperature Transmitter / Temperature Gauge	Using PRT Sensor with indicator, Dry Bath by Comparison Method	-25 °C to 100 °C	0.06°C

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193	THERMAL-TEMPERATURE	RTD's & RTD Based Digital Thermometer, TC & TC Based Indicators/ Temperature Transmitter / Temperature Gauge	Using SPRT Sensor with indicator, Dry Bath 6½ DMM by Comparison Method	-25 °C to 100 °C	0.016°C
194	THERMAL-TEMPERATURE	RTD's & RTD Based Digital Thermometer, TC & TC Based Indicators/ Temperature Transmitter / Temperature Gauge	Using SPRT Sensor with indicator, Dry Bath 6½ DMM by Comparison Method	100 °C to 660 °C	0.62°C
195	THERMAL-TEMPERATURE	Temperature Indicator with sensor of Furnace / Dry Bath /Muffle Furnace	Using Standard R Type TC with indicator by Single position method	350 °C to 1200 °C	1.7°C
196	THERMAL-TEMPERATURE	Temperature Indicator with sensor of Oven/Autoclave/Dry Bath/Oil Bath	Using Standard PRT & indicator by Single position method	30 °C to 350 °C	0.06°C
197	THERMAL-TEMPERATURE	Temperature indicator with Sensor of Refrigerator/Freezer/ Dry Bath/Low temperature Bath/Incubators	Using Standard PRT & indicator by Single position method	-80 °C to 30 °C	0.06°C

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198	THERMAL-TEMPERATURE	Thermocouple / Temperature Sensor with and without Indicators and Temperature gauge/ Dry well / Bath	Using Standard R Type TC with indicator & Dry Well Bath by comparison Method	650 °C to 900 °C	0.74°C
199	THERMAL-TEMPERATURE	Thermocouple / Temperature Sensor with and without Indicators, TC Based Indicators and Temperature gauge/ Temperature Transmitter	Using Standard R / S Type TC with indicator & Dry Well Bath by comparison Method	600 °C to 1200 °C	1.7°C

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