National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	SANSEL CALIBRATION LABORATORIES, NO :1/46 , 3 RD MAIN ROAD, GANGA NAGAR, MADURAVOYAL, CHENNAI, TAMIL NADU, 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 @ 20 Hz to 1 kHz	Using 6½ Digit Multimeter by Direct Method	1 mA to 10 mA	0.28 % to 0.36 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 20 Hz to 1 kHz	Using 6½ Digit Multimeter by Direct Method	10 µA to 100 µA	1.27 % to 1.2 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 20 Hz to 5 kHz	Using 6½ Digit Multimeter by Direct Method	10 mA to 1 A	0.36 % to 0.53 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 5 kHz	Using 6½ Digit Multimeter by Direct Method	1 A to 3 A	0.53 % to 0.68 %

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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 5 kHz	Using 6½ Digit Multimeter by Direct Method	3 A to 10 A	0.68 % to 0.56 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 5 kHz to 10 kHz	Using 6½ Digit Multimeter by Direct Method	10 mA to 100 mA	1.24 % to 0.73 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 5 kHz to 10 kHz	Using 6½ Digit Multimeter by Direct Method	100 mA to 1 A	0.73 % to 1.54 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High Voltage Probe with DMM by Direct Method	1 kV to 25 kV	8.81 % to 6.64 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Resistance @ 1 kHz	Using Precision LCR Meter by Direct Method	1 ohm to 10 kohm	0.073 % to 0.07 %

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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz to 100 kHz	Using 6½ Digit Multimeter by Direct Method	1 mV to 100 V	15.61 % to 0.78 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 20 Hz to 10 kHz	Using 6½ Digit Multimeter by Direct Method	1 mV to 100 mV	5.7 % to 0.15 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 20 Hz to 10 kHz	Using 6½ Digit Multimeter by Direct Method	100 mV to 10 V	0.15 % to 0.27 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 6½ Digit Multimeter by Direct Method	10 V to 100 V	0.27 % to 0.13 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 6½ Digit Multimeter by Direct Method	100 V to 1000 V	0.13 % to 0.1 %

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15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using 6½ Digit Multimeter by Direct Method	1 nF to 100 µF	5.20 % to 1.73 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using Precision LCR Meter by Direct Method	100 pF to 100 µF	0.091 % to 0.11 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using Precision LCR Meter by Direct Method	10 µH to 10 H	0.51 % to 1 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1- Ø AC Power @ 50 Hz (40 V to 300 V, 0.1 A to 20 A, 0.2 Lead / Lag to UPF)	Using Multiproduct Calibrator by Direct Method	4 W to 6 kW	0.12 % to 0.27 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1-Ø Power Factor @ 50 Hz	Using Multiproduct Calibrator by Direct Method	0.2 PF (Lead/Lag) to UPF	0.075 to 0.082

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20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 10 kHz	Using Multiproduct Calibrator by Direct Method	10 mA to 1 A	0.29 % to 3.46 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multiproduct Calibrator by Direct Method	2.9 A to 20 A	0.62 % to 3.58 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 20 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	30 µA to	0.64 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multiproduct calibrator with 50 turn Current Coil by Direct Method	100 A to 1000 A	0.28% to 0.33%
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	30 µA to 300 µA	0.57 % to 0.27 %
25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	300 µA to 3 mA	0.27 % to 0.15 %

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26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	10 A to 20 A	0.14 % to 0.21 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	2.9 A to 10 A	0.086 % to 0.14 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	3 mA to 2.9 A	0.15 % to 0.086 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50Hz	Using Multiproduct Calibrator with 50 turn Current Coil by Direct Method	20 A to 100 A	0.32% to 0.28%
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Resistance @ 1 kHz	Using High Precision Decade Resistance Box by Direct Method	1 ohm to 100 kohm	0.21 % to 0.59 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	30 mV to 30 V	0.17 % to 0.38 %

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32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	1 mV to 30 mV	0.94 % to 0.17 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 10 kHz	Using Multiproduct Calibrator by Direct Method	1 mV to 30 mV	0.85 % to 0.77 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 10 kHz	Using Multiproduct Calibrator by Direct Method	100 V to 1000 V	0.072 % to 0.04 %
35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 10 kHz	Using Multiproduct Calibrator by Direct Method	30 mV to 100 V	0.77 % to 0.073 %
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 100 kHz	Using Multiproduct Calibrator by Direct Method	1 mV to 30 mV	1.81 % to 0.9 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 100 kHz	Using Multiproduct Calibrator by Direct Method	30 mV to 30 V	0.9 % to 0.13 %

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38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 100 kHz	Using Multiproduct Calibrator by Direct Method	30 V to 100 V	0.13 % to 0.3 %
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	0.5 nF to 10 nF	3 % to 1.46 %
40	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	10 µF to 100 µF	0.58 % to 0.68 %
41	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	10 nF to 10 µF	1.46 % to 0.58 %
42	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	100 pF to 100 µF	1.16 %
43	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	220 pF to 0.5 nF	5.83 % to 3 %

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44	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inducatance Box by Direct Method	100 µH to 10 H	1.67 % to 1.3 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	1 µA to 100 µA	3.2% to 0.09%
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	1 A to 3 A	0.081 % to 0.14 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by V / I Method	10 A to 20 A	0.58 % to 0.3 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	100 µA to 400 mA	0.09 % to 0.65 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit DMM with shunt by V / I Method	20 A to 100 A	0.3 % to 0.18 %

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50	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	3 A to 10 A	0.14 % to 0.33 %
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	400 mA to 1 A	0.065 % to 0.081 %
52	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using High Voltage Probe With DMM by Direct Method	1 kV to 30 kV	7.02 % to 3.94 %
53	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	10 ohm to 100 ohm	0.05 % to 0.016 %
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using Precision Thermometer by Direct Method	0.005 ohm to 0.1 ohm	0.82 % to 0.25 %
55	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	0.1 ohm to 1 ohm	4.16 % to 0.36 %

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56	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using Precision Thermometer by Direct Method	0.1 ohm to 1 ohm	0.25 % to 0.026 %
57	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	1 Mohm to 10 Mohm	0.013 % to 0.049 %
58	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	1 ohm to 10 ohm	0.36 % to 0.05 %
59	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	10 Mohm to 100 Mohm	0.049 % to 0.94 %
60	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	100 Mohm to 1 Gohm	0.94 % to 2.32 %
61	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	100 ohm to 1 Mohm	0.016 % to 0.013 %

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62	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	0.1 mV to 100 mV	4.65 % to 0.009 %
63	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Precision Thermometer by Direct Method	0.1 mV to 115 mV	1.17 % to 0.071 %
64	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	10 V to 100 V	0.0034 % to 0.0047%
65	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	100 mV to 10 V	0.009 % to 0.003 %
66	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	100 V to 1000 V	0.005 % to 0.006 %
67	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	10 µA to 100 µA	0.25 % to 0.041 %

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68	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	1 µA to 10 µA	2.33 % to 0.25 %
69	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	10 A to 20 A	0.066 % to 0.13 %
70	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	100 µA to 3 mA	0.041 % to 0.02 %
71	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator with current 50 turn coil by Direct Method	100 A to 1000 A	0.23 % to 0.2 %
72	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	2.99 A to 10 A	0.047 % to 0.066 %
73	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator with current 50 turn coil by Direct Method	20 A to 100 A	0.5 % to 0.23 %

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74	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	3 mA to 2.99 A	0.02 % to 0.047 %
75	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power	Using Multiproduct Calibrator by Direct Method	0.1 W to 100 W	0.087 % to 0.034 %
76	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power	Using Multiproduct Calibrator by Direct Method	100 W to 20000 W	0.034 % to 0.21 %
77	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire)	Using High Precision Decade Mega ohm Box by Direct Method	1 Mohm	0.88 %
78	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire)	Using High Precision Decade Mega ohm Box by Direct Method	100 kohm	0.58 %
79	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire)	Using High Precision Decade Mega ohm Box by Direct Method	10 Mohm	1.38 %

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80	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire)	Using High Precision Decade Mega ohm Box by Direct Method	100 Mohm	1.17 %
81	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire) @ 5 kV	Using High Precision Decade Mega ohm Box by Direct Method	1 Gohm	2.75 %
82	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire) @ 5 kV	Using High Precision Decade Mega ohm Box by Direct Method	10 Gohm	2.85 %
83	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire) @ 5 kV	Using High Precision Decade Mega ohm Box by Direct Method	100 Gohm	2.59 %
84	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1 kohm to 1 Mohm	0.007 % to 0.013 %
85	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1 Mohm to 10 Mohm	0.014 % to 0.022 %

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86	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1 ohm to 10 ohm	0.12 % to 0.02 %
87	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	10 Mohm to 100 Mohm	0.022 % to 0.1 %
88	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	10 ohm to 30 ohm	0.02 % to 0.009 %
89	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	100 Mohm to 300 Mohm	0.1 % to 0.4 %
90	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	30 ohm to 1 kohm	0.009 % to 0.007 %
91	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	300 Mohm to 1000 Mohm	0.4 % to 1.89 %

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92	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	0.1 mV to 1 mV	1.26 % to 0.18 %
93	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	1 mV to 10 mV	0.18 % to 0.015 %
94	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	10 mV to 3 V	0.015 % to 0.003 %
95	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	3 V to 1000 V	0.003 %
96	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using High Precision Decade Resistance Box	0.001 ohm to 0.01 ohm	5.8 % to 2.3 %
97	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using High Precision Decade Resistance Box	0.01 ohm to 0.1 ohm	2.3 % to 0.58 %

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98	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using High Precision Decade Resistance Box	0.1 ohm to 1 ohm	0.58 % to 0.06 %
99	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Micro ohm meter by Direct Method	0.2 mohm	1.2 %
100	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using High Precision Decade Resistance Box	1 ohm to 100 kilo ohm	0.059 % to 0.057 %
101	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Micro ohm meter by Direct Method	1 mohm	0.082 %
102	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Micro ohm meter by Direct Method	10 mohm	0.06 %
103	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Micro ohm meter by Direct Method	100 mohm	0.06 %

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104	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Micro ohm meter by Direct Method	2 mohm	0.06 %
105	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Micro ohm meter by Direct Method	20 mohm	0.06 %
106	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth	Using Multiproduct Calibrator by Direct Method	300 MHz to 600 MHz	7.69 %
107	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth	Using Multiproduct Calibrator by Direct Method	50 kHz to 300 MHz	5.55 %
108	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth	Using Multiproduct Calibrator by Direct Method	600 MHz to 1.1 GHz	8.5 %
109	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Time Base (Horizontal Axis Deflection Factor)	Using Multiproduct Calibrator by Direct Method	1 ns to 5 s	0.2 % to 0.14 %

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110	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude (Vertical Axis Deflection Factor) AC Square Wave 1 Mohm @1 kHz	Using Multiproduct Calibrator by Direct Method	1 mV to 25 V	5.17 % to 0.4 %
111	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude (Vertical Axis Deflection Factor) DC @ 1 Mohm	Using Multi Product Calibrator by Direct Method	1 mV to 25 V	5 % to 1.8 %
112	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B - Type Thermocouple	Using Precision Thermometer by Direct Method	450 °C to 1800 °C	0.24 °C
113	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E - Type Thermocouple	Using Precision Thermometer by Direct Method	(-) 200 °C to 1000 °C	0.1 °C
114	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J - Type Thermocouple	Using Precision Thermometer by Direct Method	(-) 200 °C to 1200 °C	0.12 °C

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115	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K - Type Thermocouple	Using Precision Thermometer by Direct Method	(-) 200 °C to 1350 °C	0.11 °C
116	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N - Type Thermocouple	Using Precision Thermometer by Direct Method	(-) 200 °C to 1300 °C	0.15 °C
117	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R - Type Thermocouple	Using Precision Thermometer by Direct Method	0 °C to 1750 °C	0.28 °C
118	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD Type	Using Precision Thermometer by Direct Method	(-) 200 °C to 100 °C	0.07 °C
119	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD Type	Using Precision Thermometer by Direct Method	100 °C to 850 °C	0.07 °C
120	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S - Type Thermocouple	Using Precision Thermometer by Direct Method	0 °C to 1750 °C	0.27 °C

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121	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T - Type Thermocouple	Using Precision Thermometer by Direct Method	(-) 200 °C to 400 °C	0.09 °C
122	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	600 °C to 800 °C	0.49 °C
123	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	800 °C to 1800 °C	0.4 °C
124	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 1000 °C	0.46 °C
125	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 100 °C to 1200 °C	0.22 °C
126	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to (-) 100 °C	0.24 °C

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127	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 100 °C	0.3 °C
128	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	100 °C to 1000 °C	0.23 °C
129	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	1000 °C to 1340 °C	0.35 °C
130	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 400 °C	0.42 °C
131	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	400 °C to 1300 °C	0.27 °C
132	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	0 °C to 1000 °C	0.57 °C

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133	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	1000 °C to 1750 °C	0.38 °C
134	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD Type	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 200 °C	0.12 °C
135	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD Type	Using Multiproduct Calibrator by Direct Method	200 °C to 600 °C	0.14 °C
136	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD Type	Using Multiproduct Calibrator by Direct Method	600 °C to 800 °C	0.25 °C
137	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	0 °C to 1400 °C	0.56 °C
138	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	1400 °C to 1750 °C	0.42 °C

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139	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 150 °C to 400 °C	0.22 °C
140	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to (-) 150 °C	0.56 °C
141	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	100 kHz to 1000 kHz	0.016 % to 0.015 %
142	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	3 Hz to 100 kHz	0.12 % to 0.016 %
143	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Timer Calibrator by Comparison Method	1 s to 3600 s	0.11 s to 0.63 s
144	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Timer Calibrator by Comparison Method	3600 s to 36000 s	0.63 s to 4.66 s

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145	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Timer Calibrator by Comparison Method	36000 s to 86400 s	4.66 s to 10.62 s
146	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1 Hz to 10 Hz	0.17 % to 0.017 %
147	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	10 Hz to 1000 kHz	0.017 % to 0.073 %
148	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1000 kHz to 1100 MHz	0.073 % to 0.0003 %
149	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	100 rpm to 1000 rpm	0.33 %

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150	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	1000 rpm to 10000 rpm	0.15 %
151	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	6 rpm to 100 rpm	2.17 %
152	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Non Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	10000 rpm to 60000 rpm	0.015 %
153	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Non Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	100 rpm to 1000 rpm	0.33 %
154	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Non Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	1000 rpm to 10000 rpm	0.08 %

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155	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Non Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	6 rpm to 100 rpm	2.19 %
156	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Non Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	60000 rpm to 99950 rpm	0.013 %
157	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Comparison Method	94 dB, 114 dB	0.21 dB
158	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore gauge - Transmission error (L.C.: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	0 to 1.2 mm	1.16 µm
159	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Calipers (L.C.: 0.01 mm)	Using Caliper Checker & Gauge Blocks by Comparison Method	0 to 600 mm	11.54 µm

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160	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 0.0001 mm)	Using Master Foils by Comparison Method	0 to 2 mm	2.52 µm
161	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Gauge (L.C.: 0.01 mm)	Using Gauge Blocks by Comparison Method	0 to 300 mm	6.54 µm
162	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer (L.C.: 0.001 mm)	Using Gauge Blocks by Comparison method	0 to 300 mm	3.91 µm
163	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Caliper Gauge (L.C.: 0.01 mm)	Using Gauge Blocks by Comparison Method	2.5 mm to 100 mm	7.78 µm
164	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Gauge Blocks by Comparison Method	>200 mm to 300 mm	4.53 µm

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165	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Gauge Blocks by Comparison Method	0 to 200 mm	4.12 µm
166	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Dial comparator and Dial comparator stand by Comparison Method	0 to 2 mm	3.42 µm
167	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (L.C.: 0.01 mm)	Using Dial Calibration Checker & Gauge Blocks by Comparison Method	0 to 600 mm	12.22 µm
168	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer (L.C.: 0.01 mm)	Using Gauge Blocks &Gauge Block Accessories set by Comparison Method	> 50 mm to 300 mm	7.61 µm
169	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge (L.C.: 0.001 mm and Coarser)	Using Dial calibration Tester by Comparison Method	0 to 0.8 mm	4.35 µm

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170	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge (L.C.: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	0 to 0.14 mm	2.6 µm
171	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Master Foils	Using Dial Comparator and Dial Comparator stand by Comparison Method	0.01 to 3 mm	1.82 µm
172	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Pin	Using Gauge Blocks and Digital Comparator by Comparison Method	0.5 mm to 25 mm	2.75 µm
173	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale (L.C.: 0.5 mm)	Using Scale & Tape Calibrator by Direct Method	0 to 1000 mm	62 µm
174	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Tape / Pie Tape (L.C.: 0.5 mm)	Using Scale & Tape Calibrator by Direct Method	0 to 30 m	62 µm x sqrt (L/1000) µm (where L in mm)

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175	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Stand	Using Gauge Blocks and Digital Comparator & comparison method	> 200 mm to 300 mm	4.38 µm
176	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Stand	Using Gauge Blocks and Digital Comparator by Comparison Method	0 to 200 mm	3.45 µm
177	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper (L.C.: 0.1 mm)	Using Gauge Blocks by Comparison method	0 to 50 mm	57.82 µm
178	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	Using Gauge Blocks and Digital Plunger Dial by Comparison Method	3 mm to 100 mm	1.95 µm
179	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Gauge (L.C.: 0.001 mm)	Using Dial Calibration Tester / Gauge Blocks by Comparison Method	0 to 25 mm	2.58 µm

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180	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap gauge	Using Gauge Blocks by Comparison Method	> 3 mm to 100 mm	1.40 µm
181	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Gauge (Dial / Digital) (L.C.: 0.001 mm)	Using Gauge Blocks by Comparison Method	0 to 25 mm	0.6 µm
182	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Measuring Wires	Using Gauge Blocks and Digital Comparator by Comparison Method	1 mm to 6.35 mm	1.81 µm
183	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Width Gauge	Using Dial comparator, Dial comparator stand and gauge block set by Comparison method	> 0.5 mm to 20 mm	1.89 µm
184	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter / Indicator, Manometer - Pneumatic	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	1 bar to 35 bar	0.0032 bar

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185	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauges, Pressure Transducer, Pressure Transmitter, Manometer	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	0 to 200 mbar	0.093 mbar
186	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauge / Transducer, Vacuum Transmitter, Manometer	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	(-) 200 mbar to 0	0.093 mbar
187	MECHANICAL-PRESSURE INDICATING DEVICES	Low Pressure Gauges, Pressure Transducer, Pressure Transmitter, Manometer	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	0 to 25 mbar	0.03 mbar
188	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauges / Transducer, Vacuum Transmitter, Manometer	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	(-) 25 mbar to 0	0.03 mbar
189	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Absolute) Gauge, Barometer, Manometer	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	0.1 bar to 3 bar (abs)	0.00046 bar

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190	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter / Indicator - Hydraulic	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	0 to 200 bar	0.022 bar
191	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter / Indicator - Hydraulic	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	0 to 1000 bar	0.1 bar
192	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter / Indicator, Manometer - Pneumatic	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	0.1 bar to 2 bar	0.00029 bar
193	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum gauge, Vacuum calibrator, Vacuum switch, Vacuum Transmitter, Vacuum Indicator	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per ISO 3567 and ISO 27893	(-) 0.1 bar to (-) 0.9 bar	0.00016 bar

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194	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum gauge, Vacuum calibrator, Vacuum switch, Vacuum Transmitter, Vacuum Indicator	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per ISO 3567 and ISO 27893	(-) 0.1 bar to (-)1 bar	0.00015 bar
195	MECHANICAL-VOLUME	Measuring Cylinder & Volumetric Flask	Using Electronic Weighing Balance (Readability: 0.001 g) with Distilled water As per ISO 4787 by Gravimetric Method	>100 ml to 500 ml	0.01 ml
196	MECHANICAL-VOLUME	Measuring Cylinder & Volumetric Flask	Using Electronic Weighing Balance (Readability: 0.01 g) with Distilled Water As per ISO 4787 by Gravimetric Method	>2000 ml to 5000 ml	0.26 ml
197	MECHANICAL-VOLUME	Measuring Cylinder & Volumetric Flask	Using Electronic Weighing Balance (Readability: 0.001 g and Coarser) with Distilled Water As per ISO 4787 by Gravimetric Method	>500 ml to 2000 ml	0.22 ml

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198	MECHANICAL-VOLUME	Micro Pipette	Using Electronic Weighing Balance (Readability: 1µg)with Distilled Water by Gravimetric Method As per ISO 8655 Part - 6	>10 µl to 50 µl	0.12 µl
199	MECHANICAL-VOLUME	Micro Pipette	Using Electronic Weighing Balance (Readability: 0.01 mg) with Distilled Water by Gravimetric Method As per ISO 8655 Part - 6	>100 µl to 1000 µl	0.67 µl
200	MECHANICAL-VOLUME	Micro Pipette	Using Electronic Weighing Balance (Readability: 1 µg and coarser) with Distilled Water by Gravimetric Method As per ISO 8655 part - 6	>50 µl to 100 µl	0.26 µl

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201	MECHANICAL-VOLUME	Micro Pipette	Using Electronic Weighing Balance (Readability: 1 µg)with Distilled Water by Gravimetric Method As per ISO 8655 Part - 6	1 µl to 10 µl	0.043 µl
202	MECHANICAL-VOLUME	Micro Pipette	Using Electronic Weighing Balance (Readability: 0.01 mg and Coarser) with Distilled Water by Gravimetric Method As per ISO 8655 Part - 6	>1 ml to 10 ml	0.83 µl
203	MECHANICAL-VOLUME	Pipette, Burette, Volumetric Flask, Measuring Cylinder	Using Electronic Weighing Balance (Readability: 0.1 mg & Coarser) with Distilled Water as per ISO 4787 by Gravimetric Method	>10 ml to 100 ml	3.4 µl
204	MECHANICAL-VOLUME	Pipette, Burette, Volumetric Flask, Measuring Cylinder	Using Electronic Weighing Balance (Readability: 0.01 mg and Coarser) with Distilled Water as per ISO 4787 by Gravimetric Method	1 ml to 10 ml	1.3 µl

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205	MECHANICAL-WEIGHTS	Weights - E2 Class & Coarser	Using E1 Class Weights & Electronic Balance (Readability: 1 µg) as per OIML R 111-1	200 mg	0.003 mg
206	MECHANICAL-WEIGHTS	Weights - E2 Class & Coarser	Using E1 Class Weights & Electronic Balance (Readability: 0.01 mg) as per OIML R 111-1	50 g	0.028 mg
207	MECHANICAL-WEIGHTS	Weights - E2 Class & Coarser	Using E1 Class Weights & Electronic Balance (Readability: 1 µg) as per OIML R 111-1	5 mg	0.002 mg
208	MECHANICAL-WEIGHTS	Weights - F2 Class & Coarser	Using F1 Class Weights & Electronic Balance (Readability: 0.01 g) as per OIML R 111-1	2 kg	10 mg
209	MECHANICAL-WEIGHTS	Weights - E2 Class & coarser	Using E1 Class Weights & Electronic Balance (Readability: 1 µg) as per OIML R 111-1	500 mg	0.002 mg

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210	MECHANICAL-WEIGHTS	Weights - E2 Class & coarser	Using E1 Class Weights & Electronic Balance (Readability: 1 µg) as per OIML R 111-1	2 g	0.007 mg
211	MECHANICAL-WEIGHTS	Weights - E2 Class & Coarser	Using E1 Class Weights & Electronic Balance (Readability: 1 µg) as per OIML R 111	1 g	0.006mg
212	MECHANICAL-WEIGHTS	Weights - E2 Class & Coarser	Using E1 Class Weights & Electronic Balance (Readability: 1 µg) as per OIML R 111-1	1 mg	0.002 mg
213	MECHANICAL-WEIGHTS	Weights - E2 Class & coarser	Using E1 Class Weights & Electronic Balance (Readability: 0.01 mg) as per OIML R 111-1	10 g	0.013 mg
214	MECHANICAL-WEIGHTS	Weights - E2 Class & coarser	Using E1 Class Weights & Electronic Balance (Readability: 1 µg) as per OIML R 111-1	10 mg	0.002 mg

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215	MECHANICAL-WEIGHTS	Weights - E2 Class & coarser	Using E1 Class Weights & Electronic Balance (Readability: 0.01 mg) as per OIML R 111-1	100 g	0.05mg
216	MECHANICAL-WEIGHTS	Weights - E2 Class & Coarser	Using E1 Class Weights & Electronic Balance (Readability: 1 µg) as per OIML R 111-1	100 mg	0.003 mg
217	MECHANICAL-WEIGHTS	Weights - E2 Class & coarser	Using E1 Class Weights & Electronic Balance (Readability: 1 µg) as per OIML R 111-1	2 mg	0.002 mg
218	MECHANICAL-WEIGHTS	Weights - E2 Class & Coarser	Using E1 Class Weights & Electronic Balance (Readability: 0.01 mg) as per OIML R 111-1	20 g	0.025 mg
219	MECHANICAL-WEIGHTS	Weights - E2 Class & Coarser	Using E1 Class Weights & Electronic Balance (Readability: 1 µg) as per OIML R 111-1	20 mg	0.003 mg

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220	MECHANICAL-WEIGHTS	Weights - E2 Class & coarser	Using E1 Class Weights & Electronic Balance (Readability: 0.1 mg) as per OIML R 111-1	200 g	0.1 mg
221	MECHANICAL-WEIGHTS	Weights - E2 Class & coarser	Using E1 Class Weights & Electronic Balance (Readability: 1 µg) as per OIML R 111-1	5 g	0.008 mg
222	MECHANICAL-WEIGHTS	Weights - E2 Class & coarser	Using E1 Class Weights & Electronic Balance (Readability: 1 µg) as per OIML R 111-1	50 mg	0.003 mg
223	MECHANICAL-WEIGHTS	Weights - F2 Class & Coarser	Using F1 Class Weights & Electronic Balance (Readability: 0.001 g) as per OIML R 111-1	1 kg	3.2 mg
224	MECHANICAL-WEIGHTS	Weights - F2 Class & coarser	Using F1 Class Weights & Electronic Balance (Readability: 0.01 g) as per OIML R 111-1	10 kg	0.05 g

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225	MECHANICAL-WEIGHTS	Weights - F2 Class & Coarser	Using F1Class Weights & Electronic Balance (Readability: 0.1 g) as per OIML R 111-1	20 kg	0.2g
226	MECHANICAL-WEIGHTS	Weights - F2 Class & coarser	Using F1 Class Weights & Electronic Balance (Readability: 0.01 g) as per OIML R 111-1	5 kg	12 mg
227	MECHANICAL-WEIGHTS	Weights - F2 Class & coarser	Using F1 Class Weights & Electronic Balance (Readability: 1 g) as per OIML R 111-1	50 kg	1 g
228	MECHANICAL-WEIGHTS	Weights - F2 Class & Coarser	Using F1 Class Weights & Electronic Balance (Readability: 0.001 g) as per OIML R 111-1	500 g	3 mg
229	THERMAL-SPECIFIC HEAT & HUMIDITY	Analog / Digital hygrometer, Digital Temp / humidity Indicator, Thermo hygrographs / Data Loggers / Transmitters with Sensors	Using Digital Temperature / Humidity Indicator, Multifunction calibrator, Humidity Chamber by Comparison Method	10 %rh to 95 %rh @ 25 °C	0.46 %rh

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230	THERMAL-SPECIFIC HEAT & HUMIDITY	Analog / Digital hygrometer, Digital Temp / humidity Indicator, Thermo hygrographs / Data Loggers / Transmitters with Sensors	Using Digital Temperature / Humidity Indicator, Multifunction calibrator, Humidity Chamber by Comparison Method	12.2 %rh to 90.5 %rh @ 10 °C to 60 °C	0.74 %rh
231	THERMAL-SPECIFIC HEAT & HUMIDITY	Analog / Digital hygrometer, Digital Temp / humidity Indicator, Thermo hygrographs / Data Loggers / Transmitters with Sensors	Using Digital Temperature / Humidity Indicator, Multifunction calibrator, Humidity Chamber by Comparison Method	5 %rh @ @ 25 °C	1.22 %rh
232	THERMAL-SPECIFIC HEAT & HUMIDITY	Analog / Digital Relative Humidity & Temperature Hygrometer, Digital Temp & Humidity Indicator, Thermo hygrographs, Data Loggers, Transmitters, Humidity & Temperature Sensors	Using Digital Temperature / Humidity Indicator, Humidity Chamber and MFC by Comparison Method	5 %rh @ 23 °C	0.42 %rh

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233	THERMAL-SPECIFIC HEAT & HUMIDITY	Analog / Digital Relative Humidity / Temperature hygrometer, Digital Temperature / humidity Indicator, Thermo hygrographs / Data Loggers / Transmitters / Humidity & Temperature Sensors	Using Digital Temperature / Humidity Indicator, Humidity Chamber, SSPRT, Precision Thermometer by Comparison Method	5.8 °C to 69.5 °C @ 50 %rh	0.23 °C
234	THERMAL-SPECIFIC HEAT & HUMIDITY	Dew Point Temperature Meter, Dew point Transmitter @ 10 %rh to 95 %rh	Using Digital Temperature & Humidity Dew Point Meter, MFC and Humidity Chamber by Comparison method	(-) 20 °C to 50 °C	0.92 °C
235	THERMAL-TEMPERATURE	RTD / Thermocouple, Temperature Indicator with sensor, Temperature gauges, Temperature Transmitter with sensor	Using SSPRT, Dry block Calibrator, Precision Thermometer by Comparison Method	100 °C to 300 °C	0.13 °C

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236	THERMAL-TEMPERATURE	Non Contact - Pyrometer, IR Thermometer, Temperature Transmitter	Using Standard Non contact IR Pyrometer, Multi Function Calibrator, Black body source (Emissivity : 0.95) by Comparison Method	500 °C to 1200 °C	3.64 °C
237	THERMAL-TEMPERATURE	Indicator with Sensor of Black Body Source @ Emissivity : 0.95	Using Pyrometer by Comparison Method	100 °C to 500 °C	2.62 °C
238	THERMAL-TEMPERATURE	Indicator with Sensor of Black Body Source @ Emissivity : 0.95	Using Pyrometer by Comparison Method	(-) 15 °C to 0 °C	2.62 °C
239	THERMAL-TEMPERATURE	Indicator with Sensor of Black Body Source @ Emissivity : 0.95	Using Pyrometer by Comparison Method	(-) 30 °C to (-) 15 °C	2.64 °C
240	THERMAL-TEMPERATURE	Indicator with Sensor of Black Body Source @ Emissivity : 0.95	Using Pyrometer by Comparison Method	0 °C to 100 °C	1.85 °C
241	THERMAL-TEMPERATURE	Indicator with Sensor of Black Body Source @ Emissivity : 0.95	Using Pyrometer by Comparison Method	1200 °C to 1500 °C	3.90 °C

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242	THERMAL-TEMPERATURE	Indicator with Sensor of Black Body Source @ Emissivity : 0.95	Using Pyrometer by Comparison Method	500 °C to 1200 °C	3.71 °C
243	THERMAL-TEMPERATURE	Indicator with Sensor of Temperature Baths, Dry block calibrator	Using R Type Thermocouple, Precision Thermometer by Comparison Method	1200 °C to 1500 °C	3 °C
244	THERMAL-TEMPERATURE	Indicator with Sensor of Temperature Baths, Dry block calibrators	Using R type Thermocouple, Precision Thermometer by Comparison Method	600 °C to 1200 °C	1.45 °C
245	THERMAL-TEMPERATURE	Indicator with Sensor of Temperature Baths, Liquid Bath, Dry block calibrators, Low Temperature bath	Using SSPRT, Precision Thermometer by Comparison Method	(-) 100 °C to (-) 30 °C	0.12 °C
246	THERMAL-TEMPERATURE	Indicator with Sensor of Temperature Baths, Liquid Bath, Dry block calibrators, Low Temperature bath	Using SSPRT, Precision Thermometer by Comparison Method	(-) 30°C to 100 °C	0.1 °C

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247	THERMAL-TEMPERATURE	Indicator with Sensor of Temperature Baths, Liquid Bath, Dry block calibrators, Low Temperature bath	Using SSPRT, Precision Thermometer by Comparison Method	100 °C to 300 °C	0.16 °C
248	THERMAL-TEMPERATURE	Indicator with Sensor of Temperature Baths, Liquid Bath, Dry block calibrators, Low Temperature bath	Using SSPRT, Precision Thermometer by Comparison Method	300 °C to 600 °C	0.18 °C
249	THERMAL-TEMPERATURE	Non Contact - Pyrometer, IR Thermometer, Temperature Transmitter	Using Standard Non contact IR Pyrometer, Multi Function Calibrator, Black body source (Emissivity : 0.95) by Comparison Method	(-) 15 °C to 0 °C	2.62 °C
250	THERMAL-TEMPERATURE	Non Contact - Pyrometer, IR Thermometer, Temperature Transmitter	Using Standard Non contact IR Pyrometer, Multi Function Calibrator, Black body source (Emissivity : 0.95) by Comparison Method	(-) 30 °C to (-) 15 °C	2.62 °C

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251	THERMAL-TEMPERATURE	Non Contact - Pyrometer, IR Thermometer, Temperature Transmitter	Using Standard Non contact IR Pyrometer, Multi Function Calibrator, Black body source (Emissivity : 0.95) by Comparison Method	0 °C to 100 °C	1.85 °C
252	THERMAL-TEMPERATURE	Non Contact - Pyrometer, IR Thermometer, Temperature Transmitter	Using Standard Non contact IR Pyrometer, Multi Function Calibrator, Black body source (Emissivity : 0.95) by Comparison Method	100 °C to 500 °C	2.62 °C
253	THERMAL-TEMPERATURE	Non Contact - Pyrometer, IR Thermometer, Temperature Transmitter	Using Standard Non contact IR Pyrometer, Multi Function Calibrator, Black body source (Emissivity : 0.95) by Comparison Method	1200 °C to 1500 °C	3.96 °C
254	THERMAL-TEMPERATURE	RTD / Thermocouple, Temperature Indicator with sensor, Temperature gauges, Temperature Transmitter with sensor	Using SSPRT, Low Temperature Bath and Precision Thermometer by Comparison Method	(-) 100 °C to (-) 30 °C	0.12 °C

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255	THERMAL-TEMPERATURE	RTD / Thermocouple, Temperature Indicator with sensor, Temperature gauges, Temperature Transmitter with sensor	Using SSPRT, Dry block Calibrator, Precision Thermometer by Comparison Method	(-) 30 °C to 100 °C	0.09 °C
256	THERMAL-TEMPERATURE	RTD / Thermocouple, Temperature Indicator with sensor, Temperature gauges, Temperature Transmitter with sensor	Using SSPRT, Dry block Calibrator, Precision Thermometer by Comparison Method	300 °C to 600 °C	0.16 °C
257	THERMAL-TEMPERATURE	Thermocouple / Temperature Indicator with sensor, Temperature Transmitter with sensor	Using R-Type Thermocouple Dry block calibrator, Precision Thermometer by Comparison Method	1200 °C to 1500 °C	3 °C
258	THERMAL-TEMPERATURE	Thermocouple / Temperature Indicator with sensor, Temperature Transmitter with sensor	Using R-Type Thermocouple, Dry block calibrator, Precision Thermometer by Comparison Method	600 °C to 1200 °C	1.45 °C

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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 20 Hz to 1 kHz	Using 6½ Digit Multimeter by Direct Method	1 mA to 10 mA	0.28 % to 0.36 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 20 Hz to 5 kHz	Using 6½ Digit Multimeter by Direct Method	10 mA to 1 A	0.36 % to 0.53 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 5 kHz	Using 6½ Digit Multimeter by Direct Method	1 A to 3 A	0.53 % to 0.68 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz to 5 kHz	Using 6½ Digit Multimeter by Direct Method	3 A to 10 A	0.68 % to 0.56 %

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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 5 kHz to 10 kHz	Using 6½ Digit Multimeter by Direct Method	10 mA to 100 mA	1.24 % to 0.73 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 5 kHz to 10 kHz	Using 6½ Digit Multimeter by Direct Method	100 mA to 1 A	0.73 % to 1.54 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High Voltage Probe with DMM by Direct Method	1 kV to 25 kV	8.81 % to 6.64 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Resistance @ 1 kHz	Using Precision LCR Meter by Direct Method	1 ohm to 10 kohm	0.073 % to 0.07 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz to 100 kHz	Using 6½ Digit Multimeter by Direct Method	1 mV to 100 V	15.61 % to 0.78 %

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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 20 Hz to 10 kHz	Using 6½ Digit Multimeter by Direct Method	1 mV to 100 mV	5.7 % to 0.15 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 20 Hz to 10 kHz	Using 6½ Digit Multimeter by Direct Method	100 mV to 10 V	0.15 % to 0.27 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 6½ Digit Multimeter by Direct Method	10 V to 100 V	0.27 % to 0.13 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz to 10 kHz	Using 6½ Digit Multimeter by Direct Method	100 V to 1000 V	0.13 % to 0.1 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using 6½ Digit Multimeter by Direct Method	1 nF to 100 µF	5.20 % to 1.73 %

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15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using Precision LCR Meter by Direct Method	100 pF to 100 µF	0.091 % to 0.11 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using Precision LCR Meter by Direct Method	10 µH to 10 H	0.51 % to 1 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1- Ø AC Power @ 50 Hz (40 V to 300 V, 0.1 A to 20 A, 0.2 Lead / Lag to UPF)	Using Multiproduct Calibrator by Direct Method	4 W to 6 kW	0.12 % to 0.27 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1-Ø Power Factor @ 50 Hz	Using Multiproduct Calibrator by Direct Method	0.2 PF (Lead/Lag) to UPF	0.075 to 0.082
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 10 kHz	Using Multiproduct Calibrator by Direct Method	10 mA to 1 A	0.29 % to 3.46 %

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20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multiproduct Calibrator by Direct Method	2.9 A to 20 A	0.62 % to 3.58 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 20 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	30 µA to	0.64 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multiproduct calibrator with 50 turn Current Coil by Direct Method	100 A to 1000 A	0.28% to 0.33%
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	30 µA to 300 µA	0.57 % to 0.27 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	300 µA to 3 mA	0.27 % to 0.15 %
25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	10 A to 20 A	0.14 % to 0.21 %

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26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	2.9 A to 10 A	0.086 % to 0.14 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	3 mA to 2.9 A	0.15 % to 0.086 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50Hz	Using Multiproduct Calibrator with 50 turn Current Coil by Direct Method	20 A to 100 A	0.32% to 0.28%
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Resistance @ 1 kHz	Using High Precision Decade Resistance Box by Direct Method	1 ohm to 100 kohm	0.21 % to 0.59 %
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	30 mV to 30 V	0.17 % to 0.38 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	1 mV to 30 mV	0.94 % to 0.17 %

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32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 10 kHz	Using Multiproduct Calibrator by Direct Method	1 mV to 30 mV	0.85 % to 0.77 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 10 kHz	Using Multiproduct Calibrator by Direct Method	100 V to 1000 V	0.072 % to 0.04 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 10 kHz	Using Multiproduct Calibrator by Direct Method	30 mV to 100 V	0.77 % to 0.073 %
35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 100 kHz	Using Multiproduct Calibrator by Direct Method	1 mV to 30 mV	1.81 % to 0.9 %
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 100 kHz	Using Multiproduct Calibrator by Direct Method	30 mV to 30 V	0.9 % to 0.13 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 100 kHz	Using Multiproduct Calibrator by Direct Method	30 V to 100 V	0.13 % to 0.3 %

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38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	0.5 nF to 10 nF	3 % to 1.46 %
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	10 µF to 100 µF	0.58 % to 0.68 %
40	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	10 nF to 10 µF	1.46 % to 0.58 %
41	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	100 pF to 100 µF	1.16 %
42	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator by Direct Method	220 pF to 0.5 nF	5.83 % to 3 %
43	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inducatance Box by Direct Method	100 µH to 10 H	1.67 % to 1.3 %

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44	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	1 µA to 100 µA	3.2% to 0.09%
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	1 A to 3 A	0.081 % to 0.14 %
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by V / I Method	10 A to 20 A	0.58 % to 0.3 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	100 µA to 400 mA	0.09 % to 0.65 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit DMM with shunt by V / I Method	20 A to 100 A	0.3 % to 0.18 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	3 A to 10 A	0.14 % to 0.33 %

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50	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by Direct Method	400 mA to 1 A	0.065 % to 0.081 %
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using High Voltage Probe With DMM by Direct Method	1 kV to 30 kV	7.02 % to 3.94 %
52	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	10 ohm to 100 ohm	0.05 % to 0.016 %
53	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using Precision Thermometer by Direct Method	0.005 ohm to 0.1 ohm	0.82 % to 0.25 %
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	0.1 ohm to 1 ohm	4.16 % to 0.36 %
55	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using Precision Thermometer by Direct Method	0.1 ohm to 1 ohm	0.25 % to 0.026 %

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56	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	1 Mohm to 10 Mohm	0.013 % to 0.049 %
57	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	1 ohm to 10 ohm	0.36 % to 0.05 %
58	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	10 Mohm to 100 Mohm	0.049 % to 0.94 %
59	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	100 Mohm to 1 Gohm	0.94 % to 2.32 %
60	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using 6½ Digit Multimeter by Direct Method	100 ohm to 1 Mohm	0.016 % to 0.013 %
61	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	0.1 mV to 100 mV	4.65 % to 0.009 %

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62	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Precision Thermometer by Direct Method	0.1 mV to 115 mV	1.17 % to 0.071 %
63	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	10 V to 100 V	0.0034 % to 0.0047%
64	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	100 mV to 10 V	0.009 % to 0.003 %
65	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter by Direct Method	100 V to 1000 V	0.005 % to 0.006 %
66	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	10 µA to 100 µA	0.25 % to 0.041 %
67	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	1 µA to 10 µA	2.33 % to 0.25 %

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68	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	10 A to 20 A	0.066 % to 0.13 %
69	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	100 µA to 3 mA	0.041 % to 0.02 %
70	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator with current 50 turn coil by Direct Method	100 A to 1000 A	0.23 % to 0.2 %
71	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	2.99 A to 10 A	0.047 % to 0.066 %
72	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator with current 50 turn coil by Direct Method	20 A to 100 A	0.5 % to 0.23 %
73	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	3 mA to 2.99 A	0.02 % to 0.047 %

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74	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power	Using Multiproduct Calibrator by Direct Method	0.1 W to 100 W	0.087 % to 0.034 %
75	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power	Using Multiproduct Calibrator by Direct Method	100 W to 20000 W	0.034 % to 0.21 %
76	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire)	Using High Precision Decade Mega ohm Box by Direct Method	1 Mohm	0.88 %
77	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire)	Using High Precision Decade Mega ohm Box by Direct Method	10 Mohm	1.38 %
78	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire)	Using High Precision Decade Mega ohm Box by Direct Method	100 Mohm	1.17 %
79	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire) @ 5 kV	Using High Precision Decade Mega ohm Box by Direct Method	1 Gohm	2.75 %

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80	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire) @ 5 kV	Using High Precision Decade Mega ohm Box by Direct Method	10 Gohm	2.85 %
81	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 Wire) @ 5 kV	Using High Precision Decade Mega ohm Box by Direct Method	100 Gohm	2.59 %
82	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1 kohm to 1 Mohm	0.007 % to 0.013 %
83	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1 Mohm to 10 Mohm	0.014 % to 0.022 %
84	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1 ohm to 10 ohm	0.12 % to 0.02 %
85	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	10 Mohm to 100 Mohm	0.022 % to 0.1 %

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86	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	10 ohm to 30 ohm	0.02 % to 0.009 %
87	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	100 Mohm to 300 Mohm	0.1 % to 0.4 %
88	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	30 ohm to 1 kohm	0.009 % to 0.007 %
89	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	300 Mohm to 1000 Mohm	0.4 % to 1.89 %
90	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	0.1 mV to 1 mV	1.26 % to 0.18 %
91	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	1 mV to 10 mV	0.18 % to 0.015 %

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92	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	10 mV to 3 V	0.015 % to 0.003 %
93	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	3 V to 1000 V	0.003 %
94	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using High Precision Decade Resistance Box	0.001 ohm to 0.01 ohm	5.8 % to 2.3 %
95	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using High Precision Decade Resistance Box	0.01 ohm to 0.1 ohm	2.3 % to 0.58 %
96	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using High Precision Decade Resistance Box	0.1 ohm to 1 ohm	0.58 % to 0.06 %
97	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Micro ohm meter by Direct Method	0.2 mohm	1.2 %

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98	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using High Precision Decade Resistance Box	1 ohm to 100 kilo ohm	0.059 % to 0.057 %
99	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Micro ohm meter by Direct Method	1 mohm	0.082 %
100	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Micro ohm meter by Direct Method	10 mohm	0.06 %
101	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Micro ohm meter by Direct Method	100 mohm	0.06 %
102	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Micro ohm meter by Direct Method	2 mohm	0.06 %
103	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Micro ohm meter by Direct Method	20 mohm	0.06 %

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104	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B - Type Thermocouple	Using Precision Thermometer by Direct Method	450 °C to 1800 °C	0.24 °C
105	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E - Type Thermocouple	Using Precision Thermometer by Direct Method	(-) 200 °C to 1000 °C	0.1 °C
106	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J - Type Thermocouple	Using Precision Thermometer by Direct Method	(-) 200 °C to 1200 °C	0.12 °C
107	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K - Type Thermocouple	Using Precision Thermometer by Direct Method	(-) 200 °C to 1350 °C	0.11 °C
108	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N - Type Thermocouple	Using Precision Thermometer by Direct Method	(-) 200 °C to 1300 °C	0.15 °C
109	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R - Type Thermocouple	Using Precision Thermometer by Direct Method	0 °C to 1750 °C	0.28 °C

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110	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD Type	Using Precision Thermometer by Direct Method	(-) 200 °C to 100 °C	0.07 °C
111	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD Type	Using Precision Thermometer by Direct Method	100 °C to 850 °C	0.07 °C
112	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S - Type Thermocouple	Using Precision Thermometer by Direct Method	0 °C to 1750 °C	0.27 °C
113	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T - Type Thermocouple	Using Precision Thermometer by Direct Method	(-) 200 °C to 400 °C	0.09 °C
114	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	600 °C to 800 °C	0.49 °C
115	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	800 °C to 1800 °C	0.4 °C

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116	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 1000 °C	0.46 °C
117	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 100 °C to 1200 °C	0.22 °C
118	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to (-) 100 °C	0.24 °C
119	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 100 °C	0.3 °C
120	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	100 °C to 1000 °C	0.23 °C
121	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	1000 °C to 1340 °C	0.35 °C

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122	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 400 °C	0.42 °C
123	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	400 °C to 1300 °C	0.27 °C
124	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	0 °C to 1000 °C	0.57 °C
125	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	1000 °C to 1750 °C	0.38 °C
126	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD Type	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to 200 °C	0.12 °C
127	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD Type	Using Multiproduct Calibrator by Direct Method	200 °C to 600 °C	0.14 °C

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128	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD Type	Using Multiproduct Calibrator by Direct Method	600 °C to 800 °C	0.25 °C
129	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	0 °C to 1400 °C	0.56 °C
130	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	1400 °C to 1750 °C	0.42 °C
131	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 150 °C to 400 °C	0.22 °C
132	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T - Type Thermocouple	Using Multiproduct Calibrator by Direct Method	(-) 200 °C to (-) 150 °C	0.56 °C
133	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	100 kHz to 1000 kHz	0.016 % to 0.015 %

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134	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter by Direct Method	3 Hz to 100 kHz	0.12 % to 0.016 %
135	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Timer Calibrator by Comparison Method	1 s to 3600 s	0.11 s to 0.63 s
136	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Timer Calibrator by Comparison Method	3600 s to 36000 s	0.63 s to 4.66 s
137	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Timer Calibrator by Comparison Method	36000 s to 86400 s	4.66 s to 10.62 s
138	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1 Hz to 10 Hz	0.17 % to 0.017 %
139	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	10 Hz to 1000 kHz	0.017 % to 0.073 %

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140	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1000 kHz to 1100 MHz	0.073 % to 0.0003 %
141	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	100 rpm to 1000 rpm	0.33 %
142	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	1000 rpm to 10000 rpm	0.15 %
143	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	6 rpm to 100 rpm	2.17 %
144	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Non Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	10000 rpm to 60000 rpm	0.015 %

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145	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Non Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	100 rpm to 1000 rpm	0.33 %
146	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Non Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	1000 rpm to 10000 rpm	0.08 %
147	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Non Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	6 rpm to 100 rpm	2.19 %
148	MECHANICAL-ACCELERATION AND SPEED	Tachometer, RPM / Speed indicator with Sensor - Non Contact	Using Digital Tachometer, RPM Source by Comparison Method as per SANAS-TR-45-02	60000 rpm to 99950 rpm	0.013 %
149	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter / Indicator, Manometer - Pneumatic	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	1 bar to 35 bar	0.0032 bar

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150	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauges, Pressure Transducer, Pressure Transmitter, Manometer	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	0 to 200 mbar	0.093 mbar
151	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauge / Transducer, Vacuum Transmitter, Manometer	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	(-) 200 mbar to 0	0.093 mbar
152	MECHANICAL-PRESSURE INDICATING DEVICES	Low Pressure Gauges, Pressure Transducer, Pressure Transmitter, Manometer	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	0 to 25 mbar	0.03 mbar
153	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauges / Transducer, Vacuum Transmitter, Manometer	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	(-) 25 mbar to 0	0.03 mbar
154	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Absolute) Gauge, Barometer, Manometer	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	0.1 bar to 3 bar (abs)	0.00046 bar

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155	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter / Indicator - Hydraulic	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	0 to 200 bar	0.022 bar
156	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter / Indicator - Hydraulic	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	0 to 1000 bar	0.1 bar
157	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure gauge, Pressure Calibrator, Pressure Switch, Pressure Transmitter / Indicator, Manometer - Pneumatic	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per DKD-R 6-1	0.1 bar to 2 bar	0.00029 bar
158	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum gauge, Vacuum calibrator, Vacuum switch, Vacuum Transmitter, Vacuum Indicator	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per ISO 3567 and ISO 27893	(-) 0.1 bar to (-) 0.9 bar	0.00016 bar

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159	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum gauge, Vacuum calibrator, Vacuum switch, Vacuum Transmitter, Vacuum Indicator	Using Digital Pressure Calibrator & Universal Calibrator by Comparison Method as per ISO 3567 and ISO 27893	(-) 0.1 bar to (-)1 bar	0.00015 bar
160	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale & Balance - Class I (Readability: 0.001 mg)	Using E1 Class Weights as per OIML R 76 -1	Upto 20 g	0.011 mg
161	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale & Balance - Class I (Readability: 0.001 mg)	Using E1 Class Weights as per OIML R 76 -1	Upto 5 g	0.013 mg
162	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale & Balance - Class II (Readability: 0.1 g)	Using F1 Class Weights as per OIML R 76 -1	Upto 20 kg	0.1 g
163	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale & Balance - Class II (Readability: 1 mg)	Using E2 Class Weights as per OIML R 76 -1	Upto 1 kg	0.003 g
164	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale & Balance - Class II (Readability: 10 mg)	Using F1 Class Weights as per OIML R 76 -1	Upto 10 kg	0.05g

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165	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale & Balance - Class III (Readability: 1 g)	Using F1 Class Weights as per OIML R 76 -1	Upto 50 kg	1 g
166	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale & Balance - Class IIII (Readability: 10 g)	Using M1 Class Weights as per OIML R 76 -1	Upto 200 kg	10 g
167	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale & Balance - Class I (Readability : 0.01 mg)	Using E1 Class Weights as per OIML R 76 -1	Upto 220 g	0.1 mg
168	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Scale and Balance - Class IIII (Readability: 20 g)	Using M1 Class Weights as per OIML R 76 -1	Upto 300 kg	20 g
169	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity / Temperature Chamber, Environmental Chamber, Climatic chamber, Humidity Generator, Humidity Source	Using Digital Temperature / Humidity Datalogger with Sensor (Minimum 9 Sensors used) by Comparison Method	10 %rh to 95 %rh @ 25 °C	0.83 %rh

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170	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity / Temperature Chamber, Environmental Chamber, Climatic chamber, Humidity Generator, Humidity Source	Using Digital Temperature / Humidity Datalogger with Sensor (Minimum 9 Sensors used) by Comparison Method	20 %rh to 95 %rh @ 20 °C to 50 °C	1.93 %rh
171	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity / Temperature Chamber, Environmental Chamber, Climatic chamber, Humidity Generator, Humidity Source	Using Digital Temperature / Humidity Datalogger with Sensor (Minimum 9 Sensors used) by Comparison Method	5 %rh @ 23 °C	0.68 %rh
172	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity / Temperature Chamber, Environmental Chamber, Climatic chamber, Humidity Generator, Humidity Source	Using Digital Temperature / Humidity Datalogger with Sensor (Minimum 9 Sensors used) by Comparison Method	5 °C to 60 °C @ 50 %rh	0.59 °C
173	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with sensor of Dew Point Chamber @ 10 %rh to 95 %rh	Using Digital Temperature / Humidity Dew Point Meter by Comparison Method	(-) 20 °C to 50 °C	0.92 °C

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174	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with sensor of Humidity / Temperature Chamber, Environmental Chamber, Climatic chamber , Humidity Generator (Single Position Calibration)	Using Digital Temperature / Humidity Indicator with sensor by Comparison Method	5 % rh @ 25 °C	1.21 %rh
175	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Humidity / Temperature Chamber, Environmental Chamber, Climatic chamber, Humidity Generator, Humidity Source (Single Position Calibration)	Using Digital Temperature / Humidity Indicator with Sensor by Comparison Method	20 %rh to 95 %rh @ 20 °C to 50 °C	1.53 %rh
176	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with sensor of Temperature & Humidity chamber, Environmental chamber, Climatic chamber, Humidity Generator (Single Position Calibration)	Using Digital Temperature / Humidity Indicator with sensor by Comparison Method	10 %rh to 95 %rh @ 25 °C	0.8 %rh

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177	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Temperature & Humidity chamber, Environmental chamber, Climatic chamber, Humidity Generator (Single Position Calibration)	Using Digital Temperature / Humidity Indicator with sensor by Comparison Method	5 °C to 60 °C @ 50 %rh	0.38 °C
178	THERMAL-TEMPERATURE	RTD / Thermocouple, Temperature Indicator with sensor, Temperature gauges, Temperature Transmitter with sensor	Using SSPRT, Dry block Calibrator, Precision Thermometer by Comparison Method	100 °C to 300 °C	0.13 °C
179	THERMAL-TEMPERATURE	Non Contact - Pyrometer, IR Thermometer, Temperature Transmitter	Using Standard Non contact IR Pyrometer, Multi Function Calibrator, Black body source (Emissivity : 0.95) by Comparison Method	500 °C to 1200 °C	3.64 °C
180	THERMAL-TEMPERATURE	Chamber, Oven, Hot Air Oven, Furnace, Liquid bath	Using Standard RTD and Data Logger (Minimum 9 Sensors Used) by Comparison Method	50 °C to 200 °C	0.39 °C

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181	THERMAL-TEMPERATURE	Freezer, Deep Freezer	Using Standard RTD and Data Logger (Minimum 9 sensors Used) by Comparison Method	(-) 80 °C to 50 °C	0.9 °C
182	THERMAL-TEMPERATURE	Indicator with Sensor of Black Body Source @ Emissivity : 0.95	Using Pyrometer by Comparison Method	100 °C to 500 °C	2.62 °C
183	THERMAL-TEMPERATURE	Indicator with Sensor of Black Body Source @ Emissivity : 0.95	Using Pyrometer by Comparison Method	(-) 15 °C to 0 °C	2.62 °C
184	THERMAL-TEMPERATURE	Indicator with Sensor of Black Body Source @ Emissivity : 0.95	Using Pyrometer by Comparison Method	(-) 30 °C to (-) 15 °C	2.64 °C
185	THERMAL-TEMPERATURE	Indicator with Sensor of Black Body Source @ Emissivity : 0.95	Using Pyrometer by Comparison Method	0 °C to 100 °C	1.85 °C
186	THERMAL-TEMPERATURE	Indicator with Sensor of Black Body Source @ Emissivity : 0.95	Using Pyrometer by Comparison Method	1200 °C to 1500 °C	3.90 °C
187	THERMAL-TEMPERATURE	Indicator with Sensor of Black Body Source @ Emissivity : 0.95	Using Pyrometer by Comparison Method	500 °C to 1200 °C	3.71 °C

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188	THERMAL-TEMPERATURE	Indicator With Sensor of Freezer, Deep Freezer (Single position Calibration)	Using standard RTD, Multi Function Calibrator by Comparison Method	(-) 80°C to 50 °C	0.36 °C
189	THERMAL-TEMPERATURE	Indicator with Sensor of Temperature Baths, Dry block calibrator	Using R Type Thermocouple, Precision Thermometer by Comparison Method	1200 °C to 1500 °C	3 °C
190	THERMAL-TEMPERATURE	Indicator with Sensor of Temperature Baths, Dry block calibrators	Using R type Thermocouple, Precision Thermometer by Comparison Method	600 °C to 1200 °C	1.45 °C
191	THERMAL-TEMPERATURE	Indicator with Sensor of Temperature Baths, Liquid Bath, Dry block calibrators, Low Temperature bath	Using SSPRT, Precision Thermometer by Comparison Method	(-) 100 °C to (-) 30 °C	0.12 °C
192	THERMAL-TEMPERATURE	Indicator with Sensor of Temperature Baths, Liquid Bath, Dry block calibrators, Low Temperature bath	Using SSPRT, Precision Thermometer by Comparison Method	(-) 30°C to 100 °C	0.1 °C

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193	THERMAL-TEMPERATURE	Indicator with Sensor of Temperature Baths, Liquid Bath, Dry block calibrators, Low Temperature bath	Using SSPRT, Precision Thermometer by Comparison Method	100 °C to 300 °C	0.16 °C
194	THERMAL-TEMPERATURE	Indicator with Sensor of Temperature Baths, Liquid Bath, Dry block calibrators, Low Temperature bath	Using SSPRT, Precision Thermometer by Comparison Method	300 °C to 600 °C	0.18 °C
195	THERMAL-TEMPERATURE	Non Contact - Pyrometer, IR Thermometer, Temperature Transmitter	Using Standard Non contact IR Pyrometer, Multi Function Calibrator, Black body source (Emissivity : 0.95) by Comparison Method	(-) 15 °C to 0 °C	2.62 °C
196	THERMAL-TEMPERATURE	Non Contact - Pyrometer, IR Thermometer, Temperature Transmitter	Using Standard Non contact IR Pyrometer, Multi Function Calibrator, Black body source (Emissivity : 0.95) by Comparison Method	(-) 30 °C to (-) 15 °C	2.62 °C

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197	THERMAL-TEMPERATURE	Non Contact - Pyrometer, IR Thermometer, Temperature Transmitter	Using Standard Non contact IR Pyrometer, Multi Function Calibrator, Black body source (Emissivity : 0.95) by Comparison Method	0 °C to 100 °C	1.85 °C
198	THERMAL-TEMPERATURE	Non Contact - Pyrometer, IR Thermometer, Temperature Transmitter	Using Standard Non contact IR Pyrometer, Multi Function Calibrator, Black body source (Emissivity : 0.95) by Comparison Method	100 °C to 500 °C	2.62 °C
199	THERMAL-TEMPERATURE	Oven, Hot air oven, Liquid bath, Muffle furnace, Temperature Chamber	Using standard RTD and Data logger (Minimum 9 sensors Used) by Comparison Method	200 °C to 600 °C	2.07 °C
200	THERMAL-TEMPERATURE	Oven, Hot air oven, Muffle furnace, Temperature Chamber	Using standard R Type Thermocouple and Data logger (Minimum 9 sensors Used) by Comparison Method	600 °C to 1200 °C	3.07 °C

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201	THERMAL-TEMPERATURE	RTD / Thermocouple, Temperature Indicator with sensor, Temperature gauges, Temperature Transmitter with sensor	Using SSPRT, Low Temperature Bath and Precision Thermometer by Comparison Method	(-) 100 °C to (-) 30 °C	0.12 °C
202	THERMAL-TEMPERATURE	RTD / Thermocouple, Temperature Indicator with sensor, Temperature gauges, Temperature Transmitter with sensor	Using SSPRT, Dry block Calibrator, Precision Thermometer by Comparison Method	(-) 30 °C to 100 °C	0.09 °C
203	THERMAL-TEMPERATURE	RTD / Thermocouple, Temperature Indicator with sensor, Temperature gauges, Temperature Transmitter with sensor	Using SSPRT, Dry block Calibrator, Precision Thermometer by Comparison Method	300 °C to 600 °C	0.16 °C
204	THERMAL-TEMPERATURE	Temperature sensor with indicator of Chamber , Oven ,Hot Air Oven, Furnace , Liquid bath , Muffle Furnace (Single Position Calibration)	Using Standard RTD and Multifunction Calibrator by Comparison Method	50 °C to 200 °C	0.29 °C

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205	THERMAL-TEMPERATURE	Temperature sensor with indicator of Chamber, Oven, Hot air oven, Furnace, Liquid bath, Muffle Furnace (Single Position Calibration)	Using standard RTD, Multifunction Calibrator by Comparison Method	200 °C to 600 °C	1.99 °C
206	THERMAL-TEMPERATURE	Thermocouple / Temperature Indicator with sensor, Temperature Transmitter with sensor	Using R-Type Thermocouple, Dry block calibrator, Precision Thermometer by Comparison Method	600 °C to 1200 °C	1.45 °C

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