National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

REGITECH CALIBRATION PRIVATE LIMITED

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

9, SATHYA VANI MUTHU STREET, GANDHI NAGAR, AVADI, THIRUVALLUR, CHENNAI, TAMIL NADU, INDIA

in the field of

CALIBRATION

Certificate Number: CC-2435

Issue Date: 20/04/2024 **Valid Until:** 19/04/2026

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 thislaboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: REGITECH CALIBRATION PRIVATE LIMITED

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer

SCOPE OF ACCREDITATION

Laboratory Name :	REGITECH CALIBRATION PRIVATE LIMITED, 9, SATHYA VANI MUTHU STREET, GANDHI NAGAR, AVADI, THIRUVALLUR, 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 @ 1 kHz to 5 kHz	Using 8½ Digital Multimeter by Direct Method	1 A to 20 A	0.098 % to 0.031 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 20 Hz to 1 kHz	Using 8½ Digital Multimeter by Direct Method	1 mA to 300 mA	0.053 % to 0.083 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 20 Hz to 1 kHz	Using 8½ Digital Multimeter by Direct Method	30 µA to 1 mA	0.20 % to 0.053 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 20 Hz to 1 kHz	Using 8½ Digital Multimeter by Direct Method	300 mA to 20 A	0.083 % to 0.025 %

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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with 4½ Digital Multimeter by Direct Method	1 kV to 28 kV	11.03 % to 9.64 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz to 30 kHz	Using 8½ Digital Multimeter by Direct Method	1 mV to 100 V	0.61 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 20 Hz to 1 kHz	Using 8½ Digital Multimeter by Direct Method	1 mV to 1 V	0.87 % to 0.028 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 20 Hz to 1 kHz	Using 8½ Digital Multimeter by Direct Method	1 V to 1000 V	0.028 % to 0.018 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 30 kHz to 100 kHz	Using 8½ Digital Multimeter by Direct Method	100 mV to 100 V	0.17 % to 0.28 %

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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 300 kHz to 1 MHz	Using 8½ Digital Multimeter by Direct Method	1 V to 10 V	0.013 % to 0.014 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1 Phase AC Active Power @ 50 Hz (60 V to 240 V, 0.1 A to 20 A, 0.5 PF (Lag / Lead) to UPF)	Using Multi Function Calibrator by Direct Method	6 W to 4.8 kW	0.10 % to 0.12 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multi Function Calibrator by Direct Method	1 A to 20 A	3.46 % to 3.49 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Function Calibrator by Direct Method	1 mA to 300 mA	0.14 % to 0.06 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Function Calibrator by Direct Method	30 µA to 1 mA	0.54 % to 0.14 %

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15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Function Calibrator by Direct Method	300 mA to 20 A	0.06 % to 0.17 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi Function Calibrator with Current Coil by Direct Method	20 A to 750 A	0.6 % to 0.95 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz to 450 kHz	Using Multi Function Calibrator by Direct Method	30 mV to 3 V	1.12 % to 0.31 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi Function Calibrator by Direct Method	1 mV to 100 mV	0.94 % to 0.2 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi Function Calibrator by Direct Method	1 V to 1000 V	0.024 % to 0.048 %
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi Function Calibrator by Direct Method	100 mV to 1 V	0.2 % to 0.024 %

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21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multi Function Calibrator by Direct Method	0.2 nF to 100 nF	6.48 % to 0.48 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multi Function Calibrator by Direct Method	10 µF to 100 µF	0.43 % to 1.06 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz & 100 Hz	Using Multi Function Calibrator by Direct Method	100 nF to 10 µF	0.43 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digital Multimeter by Direct Method	1 µA to 100 µA	0.07 % to 0.0016 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digital Multimeter by Direct Method	1 A to 20 A	0.02 % to 0.04 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digital Multimeter by Direct Method	100 µA to 100 mA	0.0016 % to 0.009 %

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27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digital Multimeter by Direct Method	100 mA to 1 A	0.009 % to 0.02 %
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digital Multimeter by Direct Method	0.1 mV to 100 mV	0.13 % to 0.0009 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digital Multimeter by Direct Method	100 mV to 100 V	0.0009 % to 0.0008 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digital Multimeter by Direct Method	100 V to 1000 V	0.0008 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 8½ Digital Multimeter by Direct Method	1 Mohm to 100 Mohm	0.005 % to 0.023 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 8½ Digital Multimeter by Direct Method	100 ohm to 1 Mohm	0.0022 % to 0.005 %

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33	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 8½ Digital Multimeter by Direct Method	1 ohm to 100 ohm	0.0062 % to 0.0022 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance @ 240 V (2 Wire)	Using 8½ Digital Multimeter by Direct Method	100 Mohm to 10 Gohm	0.023 % to 5.83 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Function Calibrator by Direct Method	1 µA to 100 µA	2.32 % to 0.040 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Function Calibrator by Direct Method	1 A to 20 A	0.028 % to 0.16 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Function Calibrator by Direct Method	100 µA to 100 mA	0.040 % to 0.015 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Function Calibrator by Direct Method	100 mA to 1 A	0.015 % to 0.028 %

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39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Function Calibrator with Current Coil by Direct Method	20 A to 900 A	0.55 % to 0.31 %
40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (100 mV to 600 V, 100 mA to 19.5 A)	Using Multi Function Calibrator by Direct Method	10 mW to 11700 W	0.038 % to 0.09 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Function Calibrator by Direct Method	0.1 mV to 100 mV	1.16 % to 0.0036 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Function Calibrator by Direct Method	1 V to 100 V	0.0023 % to 0.0024 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Function Calibrator by Direct Method	100 mV to 1 V	0.0036 % to 0.0023 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Function Calibrator by Direct Method	100 V to 1000 V	0.0024 %

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45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	1 Mohm to 100 Mohm	0.58 %
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multi Function Calibrator by Direct Method	100 kohm to 1 Mohm	0.0051 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	100 Mohm to 1 Gohm	0.58 % to 0.66 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multi Function Calibrator by Direct Method	1 ohm to 100 ohm	1.59 % to 0.02 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multi Function Calibrator by Direct Method	100 ohm to 100 kohm	0.02 % to 0.0051 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance @ 240 V (2 Wire)	Using Decade Resistance Box by Direct Method	1 Gohm to 10 Gohm	0.66 % to 0.59 %

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51	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope (AC Amplitude) @ 1 kHz, 50 ohm	Using Multi Function Calibrator by Direct Method	5 mV to 2 V	2.86 % to 0.29 %
52	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope (AC Amplitude) @ 1 kHz,1 Mohm	Using Multi Function Calibrator by Direct Method	5 mV to 50 V	2.7 % to 0.13 %
53	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope (Bandwidth)	Using Multi Function Calibrator by Direct Method	50 kHz to 250 MHz	4.04 % to 2.40 %
54	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope (DC Amplitude) @ 1 Mohm	Using Multi Function Calibrator by Direct Method	5 mV to 30 V	4.9 % to 0.2 %
55	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope (DC Amplitude) @ 50 ohm	Using Multi Function Calibrator by Direct Method	5 mV to 2 V	4.9 % to 2.6 %
56	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope (Time Marker)	Using Multi Function Calibrator by Direct Method	2 ns to 5 s	0.13 % to 0.46 %

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57	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT 100)	Using Temperature Indicator by Direct Method	(-) 200 °C to 800 °C	0.70 °C
58	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - B Type	Using 8½ Digital Multimeter by Direct Method	600 °C to 1800 °C	0.20 °C
59	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - E Type	Using 8½ Digital Multimeter by Direct Method	(-) 200 °C to 1000 °C	0.047 °C
60	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - J Type	Using 8½ Digital Multimeter by Direct Method	(-) 200 °C to 1200 °C	0.038 °C
61	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - K Type	Using 8½ Digital Multimeter by Direct Method	(-) 200 °C to 1350 °C	0.048 °C
62	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - N Type	Using 8½ Digital Multimeter by Direct Method	(-) 200 °C to 1300 °C	0.12 °C

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63	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - R Type	Using 8½ Digital Multimeter by Direct Method	100 °C to 1750 °C	0.44 °C
64	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - S Type	Using 8½ Digital Multimeter by Direct Method	100 °C to 1750 °C	0.77 °C
65	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - T Type	Using 8½ Digital Multimeter by Direct Method	(-) 200 °C to 400 °C	0.078 °C
66	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT 100)	Using Multi Function Calibrator by Direct Method	(-) 200 °C to 800 °C	0.27 °C
67	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - B Type	Using Multi Function Calibrator by Direct Method	600 °C to 1800 °C	0.51 °C
68	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - E Type	Using Multi Function Calibrator by Direct Method	(-) 200 °C to 1000 °C	0.58 °C

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69	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - J Type	Using Multi Function Calibrator by Direct Method	(-) 200 °C to 1200 °C	0.31 °C
70	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - K Type	Using Multi Function Calibrator by Direct Method	(-) 200 °C to 1350 °C	0.46 °C
71	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - N Type	Using Multi Function Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.46 °C
72	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - R Type	Using Multi Function Calibrator by Direct Method	100 °C to 1750 °C	0.66 °C
73	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - S Type	Using Multi Function Calibrator by Direct Method	100 °C to 1750 °C	0.66 °C
74	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - T Type	Using Multi Function Calibrator by Direct Method	(-) 200 °C to 400 °C	0.73 °C

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75	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct Method	1 Hz to 100 Hz	1 % to 0.012 %
76	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct Method	100 Hz to 250 MHz	0.012 % to 0.0014 %
77	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator by Comparison Method	1 s to 86400 s	0.058 s to 11.29 s
78	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Function Calibrator by Direct Method	1 Hz to 1 MHz	0.0038 % to 0.0003 %
79	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Function Calibrator by Direct Method	1 MHz to 250 MHz	0.0003 % to 0.00003 %

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80	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Differential Pressure Gauge / Manometer, Transducer and Transmitter with Indicator (Pneumatic Pressure)	Using Standard Digital Manometer, Pressure Hand Pump and DMM by Comparison Method as per DKD-R 6-1	0 to 10 kPa	0.006 kPa
81	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Differential Pressure Gauge / Manometer, Transducer, Transmitter with Indicator (Pneumatic Pressure)	Using Standard Digital Manometer, Pressure Hand pump and DMM by Comparison Method as per DKD-R 6-1	(-) 10 kPa to 0 kPa	0.01 kPa
82	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Low Pressure Gauge, Differential Pressure Gauge / Manometer, Transducer and Transmitter with Indicator (Pneumatic Pressure)	Using Standard Digital Manometer, Low Pressure Calibrator and DMM by Comparison Method as per DKD-R 6-1	0 to 10 mbar	0.009 bar
83	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Transducer / Transmitter with Indicator (Pneumatic Pressure)	Using Standard Digital Pressure Gauge and Pressure Hand Pump by Comparison Method as per DKD-R 6-1	0 to 20 bar	0.006 bar

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84	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Transducer / Transmitter with Indicator (Pneumatic Pressure)	Using Standard Digital Pressure Gauge, Pressure Hand Pump and DMM by Comparison Method as per DKD-R 6-1	0 to 4 bar	0.001 bar
85	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Transducer and Transmitter with Indicator (Hydraulic Pressure)	Using Standard Digital Pressure Gauge and Hydraulic Comparator by Comparison Method as per DKD-R 6-1	0 to 30 bar	0.008 bar
86	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Transducer and Transmitter with Indicator (Hydraulic Pressure)	Using Digital Pressure Gauge and Hydraulic Comparator by Comparison Method as per DKD-R 6-1	0 to 700 bar	0.15 bar
87	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Transducer and Transmitter with Indicator (Hydraulic Pressure)	Using Hydraulic Dead Weight Tester by Comparison Method as per DKD-R 6-1	6 bar to 60 bar	0.022 % rdg
88	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Transducer and Transmitter with Indicator (Hydraulic Pressure)	Using Hydraulic Dead Weight Tester by Comparison Method as per DKD-R 6-1	60 bar to 1200 bar	0.087 % rdg

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89	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Vacuum Gauges, Dial Vacuum Gauge, Transducer, Transmitter with Indicator (Vacuum Pressure)	Using Standard Digital Pressure Gauge, Vacuum Pump and DMM by Comparison Method as per DKD-R 6-1	(-) 0.90 bar to 0 bar	0.0006 bar
90	THERMAL-TEMPERATURE	Indicator with sensor of Dry Block Calibrator (Single Position)	Using PRT Sensor with Temperature Indicator by Comparison Method	300 °C to 600 °C	1.25 °C
91	THERMAL-TEMPERATURE	Indicator with sensor of Dry Block Calibrator (Single Position)	Using S-type Thermocouple with Temperature Indicator by Comparison Method	600 °C to 1200 °C	2.70 °C
92	THERMAL-TEMPERATURE	Indicator with sensor of Dry Block Calibrator and Liquid bath (Single Position)	Using PRT Sensor with Temperature Indicator by Comparison Method	(-) 30 °C to 0 °C	0.30 °C
93	THERMAL-TEMPERATURE	Indicator with sensor of Dry Block Calibrator and Liquid bath (Single Position)	Using PRT Sensor with Temperature Indicator by Comparison Method	0 °C to 150 °C	0.13 °C

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94	THERMAL-TEMPERATURE	Indicator with sensor of Dry Block Calibrator and Liquid bath (Single Position)	Using PRT Sensor with Temperature Indicator by Comparison Method	150 °C to 300 °C	1.25 °C
95	THERMAL-TEMPERATURE	IR Thermometer, Infrared Sensor with Indicator	Using IR Thermometer with Indicator and Black Body source (0.95 Emissivity) by Comparison Method	50 °C to 500 °C	2.9 °C
96	THERMAL-TEMPERATURE	IR Thermometer, Infrared Sensor with Indicator	Using IR Thermometer with Indicator and Black Body source (0.95 Emissivity) by Comparison Method	500 °C to 1200 °C	3.94 °C
97	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using PRT Sensor with Temperature Indicator and Liquid Bath by Comparison Method	(-) 30 °C to 50 °C	0.78 °C
98	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using PRT Sensor with Temperature Indicator and Liquid Bath by Comparison Method	50 °C to 250 °C	0.70 °C

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99	THERMAL-TEMPERATURE	RTD & Thermocouple with or without Indicator / Data Logger / Controller / Recorder, Temperature Gauge, Thermometer, Temperature Switch, Temperature Transmitter, Thermister with or without Indicator (Analog & Digital)	Using PRT Sensor with Temperature Indicator, 6½ DMM and Dry Bath by Comparison Method	(-) 30 °C to 0 °C	0.13 °C
100	THERMAL-TEMPERATURE	RTD & Thermocouple with or without Indicator / Data Logger / Controller / Recorder, Temperature Gauge, Thermometer, Temperature Switch, Temperature Transmitter, Thermister with or without Indicator (Analog & Digital)	Using PRT Sensor with Temperature Indicator, 6½ DMM and Dry Bath by Comparison Method	0 °C to 250 °C	0.29 °C

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101	THERMAL-TEMPERATURE	RTD & Thermocouple with or without Indicator / Data Logger / Controller / Recorder, Temperature Gauge, Thermometer, Temperature Transmitter	Using PRT Sensor with Temperature Indicator, 6½ DMM and Dry Bath by Comparison Method	250 °C to 600 °C	1.49 °C
102	THERMAL-TEMPERATURE	Thermocouple with or without Indicator / Data Logger / Controller / Recorder, Thermister with or without Indicator (Analog & Digital)	Using S Type Thermocouple with Temperature Indicator, Dry Bath by Comparison Method	600 °C to 1200 °C	2.69 °C

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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz to 5 kHz	Using 8½ Digital Multimeter by Direct Method	1 A to 20 A	0.098 % to 0.031 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 20 Hz to 1 kHz	Using 8½ Digital Multimeter by Direct Method	1 mA to 300 mA	0.053 % to 0.083 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 20 Hz to 1 kHz	Using 8½ Digital Multimeter by Direct Method	30 µA to 1 mA	0.20 % to 0.053 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 20 Hz to 1 kHz	Using 8½ Digital Multimeter by Direct Method	300 mA to 20 A	0.083 % to 0.025 %

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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with 4½ Digital Multimeter by Direct Method	1 kV to 28 kV	11.03 % to 9.64 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz to 30 kHz	Using 8½ Digital Multimeter by Direct Method	1 mV to 100 V	0.61 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 20 Hz to 1 kHz	Using 8½ Digital Multimeter by Direct Method	1 mV to 1 V	0.87 % to 0.028 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 20 Hz to 1 kHz	Using 8½ Digital Multimeter by Direct Method	1 V to 1000 V	0.028 % to 0.018 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 30 kHz to 100 kHz	Using 8½ Digital Multimeter by Direct Method	100 mV to 100 V	0.17 % to 0.28 %

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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 300 kHz to 1 MHz	Using 8½ Digital Multimeter by Direct Method	1 V to 10 V	0.013 % to 0.014 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	1 Phase AC Active Power @ 50 Hz (60 V to 240 V, 0.1 A to 20 A, 0.5 PF (Lag / Lead) to UPF)	Using Multi Function Calibrator by Direct Method	6 W to 4.8 kW	0.10 % to 0.12 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz to 5 kHz	Using Multi Function Calibrator by Direct Method	1 A to 20 A	3.46 % to 3.49 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Function Calibrator by Direct Method	1 mA to 300 mA	0.14 % to 0.06 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Function Calibrator by Direct Method	30 µA to 1 mA	0.54 % to 0.14 %

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15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz to 1 kHz	Using Multi Function Calibrator by Direct Method	300 mA to 20 A	0.06 % to 0.17 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multi Function Calibrator with Current Coil by Direct Method	20 A to 750 A	0.6 % to 0.95 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz to 450 kHz	Using Multi Function Calibrator by Direct Method	30 mV to 3 V	1.12 % to 0.31 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi Function Calibrator by Direct Method	1 mV to 100 mV	0.94 % to 0.2 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi Function Calibrator by Direct Method	1 V to 1000 V	0.024 % to 0.048 %
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz to 1 kHz	Using Multi Function Calibrator by Direct Method	100 mV to 1 V	0.2 % to 0.024 %

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21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multi Function Calibrator by Direct Method	0.2 nF to 100 nF	6.48 % to 0.48 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multi Function Calibrator by Direct Method	10 µF to 100 µF	0.43 % to 1.06 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz & 100 Hz	Using Multi Function Calibrator by Direct Method	100 nF to 10 µF	0.43 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digital Multimeter by Direct Method	1 µA to 100 µA	0.07 % to 0.0016 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digital Multimeter by Direct Method	1 A to 20 A	0.02 % to 0.04 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digital Multimeter by Direct Method	100 µA to 100 mA	0.0016 % to 0.009 %

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27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 8½ Digital Multimeter by Direct Method	100 mA to 1 A	0.009 % to 0.02 %
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with 4½ Digital Multimeter by Direct Method	1 kV to 40 kV	5.91 % to 3.99 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digital Multimeter by Direct Method	0.1 mV to 100 mV	0.13 % to 0.0009 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digital Multimeter by Direct Method	100 mV to 100 V	0.0009 % to 0.0008 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 8½ Digital Multimeter by Direct Method	100 V to 1000 V	0.0008 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 8½ Digital Multimeter by Direct Method	1 Mohm to 100 Mohm	0.005 % to 0.023 %

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33	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 8½ Digital Multimeter by Direct Method	100 ohm to 1 Mohm	0.0022 % to 0.005 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 8½ Digital Multimeter by Direct Method	1 ohm to 100 ohm	0.0062 % to 0.0022 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance @ 240 V (2 Wire)	Using 8½ Digital Multimeter by Direct Method	100 Mohm to 10 Gohm	0.023 % to 5.83 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Function Calibrator by Direct Method	1 µA to 100 µA	2.32 % to 0.040 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Function Calibrator by Direct Method	1 A to 20 A	0.028 % to 0.16 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Function Calibrator by Direct Method	100 µA to 100 mA	0.040 % to 0.015 %

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39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Function Calibrator by Direct Method	100 mA to 1 A	0.015 % to 0.028 %
40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Function Calibrator with Current Coil by Direct Method	20 A to 900 A	0.55 % to 0.31 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (100 mV to 600 V, 100 mA to 19.5 A)	Using Multi Function Calibrator by Direct Method	10 mW to 11700 W	0.038 % to 0.09 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Function Calibrator by Direct Method	0.1 mV to 100 mV	1.16 % to 0.0036 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Function Calibrator by Direct Method	1 V to 100 V	0.0023 % to 0.0024 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Function Calibrator by Direct Method	100 mV to 1 V	0.0036 % to 0.0023 %

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45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Function Calibrator by Direct Method	100 V to 1000 V	0.0024 %
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	1 Mohm to 100 Mohm	0.58 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multi Function Calibrator by Direct Method	100 kohm to 1 Mohm	0.0051 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	100 Mohm to 1 Gohm	0.58 % to 0.66 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multi Function Calibrator by Direct Method	1 ohm to 100 ohm	1.59 % to 0.02 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multi Function Calibrator by Direct Method	100 ohm to 100 kohm	0.02 % to 0.0051 %

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51	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance @ 240 V (2 Wire)	Using Decade Resistance Box by Direct Method	1 Gohm to 10 Gohm	0.66 % to 0.59 %
52	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope (AC Amplitude) @ 1 kHz, 50 ohm	Using Multi Function Calibrator by Direct Method	5 mV to 2 V	2.86 % to 0.29 %
53	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope (AC Amplitude) @ 1 kHz,1 Mohm	Using Multi Function Calibrator by Direct Method	5 mV to 50 V	2.7 % to 0.13 %
54	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope (Bandwidth)	Using Multi Function Calibrator by Direct Method	50 kHz to 250 MHz	4.04 % to 2.40 %
55	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope (DC Amplitude) @ 1 Mohm	Using Multi Function Calibrator by Direct Method	5 mV to 30 V	4.9 % to 0.2 %
56	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope (DC Amplitude) @ 50 ohm	Using Multi Function Calibrator by Direct Method	5 mV to 2 V	4.9 % to 2.6 %

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57	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope (Time Marker)	Using Multi Function Calibrator by Direct Method	2 ns to 5 s	0.13 % to 0.46 %
58	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT 100)	Using Temperature Indicator by Direct Method	(-) 200 °C to 800 °C	0.70 °C
59	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - B Type	Using 8½ Digital Multimeter by Direct Method	600 °C to 1800 °C	0.20 °C
60	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - E Type	Using 8½ Digital Multimeter by Direct Method	(-) 200 °C to 1000 °C	0.047 °C
61	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - J Type	Using 8½ Digital Multimeter by Direct Method	(-) 200 °C to 1200 °C	0.038 °C
62	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - K Type	Using 8½ Digital Multimeter by Direct Method	(-) 200 °C to 1350 °C	0.048 °C

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63	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - N Type	Using 8½ Digital Multimeter by Direct Method	(-) 200 °C to 1300 °C	0.12 °C
64	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - R Type	Using 8½ Digital Multimeter by Direct Method	100 °C to 1750 °C	0.44 °C
65	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - S Type	Using 8½ Digital Multimeter by Direct Method	100 °C to 1750 °C	0.77 °C
66	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - T Type	Using 8½ Digital Multimeter by Direct Method	(-) 200 °C to 400 °C	0.078 °C
67	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT 100)	Using Multi Function Calibrator by Direct Method	(-) 200 °C to 800 °C	0.27 °C
68	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - B Type	Using Multi Function Calibrator by Direct Method	600 °C to 1800 °C	0.51 °C

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69	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - E Type	Using Multi Function Calibrator by Direct Method	(-) 200 °C to 1000 °C	0.58 °C
70	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - J Type	Using Multi Function Calibrator by Direct Method	(-) 200 °C to 1200 °C	0.31 °C
71	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - K Type	Using Multi Function Calibrator by Direct Method	(-) 200 °C to 1350 °C	0.46 °C
72	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - N Type	Using Multi Function Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.46 °C
73	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - R Type	Using Multi Function Calibrator by Direct Method	100 °C to 1750 °C	0.66 °C
74	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - S Type	Using Multi Function Calibrator by Direct Method	100 °C to 1750 °C	0.66 °C

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75	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - T Type	Using Multi Function Calibrator by Direct Method	(-) 200 °C to 400 °C	0.73 °C
76	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct Method	1 Hz to 100 Hz	1 % to 0.012 %
77	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct Method	100 Hz to 250 MHz	0.012 % to 0.0014 %
78	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator by Comparison Method	1 s to 86400 s	0.058 s to 11.29 s
79	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Function Calibrator by Direct Method	1 Hz to 1 MHz	0.0038 % to 0.0003 %
80	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Function Calibrator by Direct Method	1 MHz to 250 MHz	0.0003 % to 0.00003 %

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81	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Low Pressure Gauge, Differential Pressure Gauge / Manometer, Transducer and Transmitter with Indicator (Pneumatic Pressure)	Using Standard Digital Manometer, Low Pressure Calibrator and DMM by Comparison Method as per DKD-R 6-1	0 to 10 mbar	0.009 bar
82	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Transducer / Transmitter with Indicator (Pneumatic Pressure)	Using Standard Digital Pressure Gauge and Pressure Hand Pump by Comparison Method as per DKD-R 6-1	0 to 20 bar	0.006 bar
83	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Transducer / Transmitter with Indicator (Pneumatic Pressure)	Using Standard Digital Pressure Gauge, Pressure Hand Pump and DMM by Comparison Method as per DKD-R 6-1	0 to 4 bar	0.001 bar
84	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Transducer and Transmitter with Indicator (Hydraulic Pressure)	Using Standard Digital Pressure Gauge and Hydraulic Comparator by Comparison Method as per DKD-R 6-1	0 to 30 bar	0.008 bar

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85	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Transducer and Transmitter with Indicator (Hydraulic Pressure)	Using Digital Pressure Gauge and Hydraulic Comparator by Comparison Method as per DKD-R 6-1	0 to 700 bar	0.15 bar
86	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Vacuum Gauges, Dial Vacuum Gauge, Transducer, Transmitter with Indicator (Vacuum Pressure)	Using Standard Digital Pressure Gauge, Vacuum Pump and DMM by Comparison Method as per DKD-R 6-1	(-) 0.90 bar to 0 bar	0.0006 bar
87	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine / Tensile Testing Machine (Tension Mode)	Using Force proving Instrument (Load cell) with Digital Indicator by Comparison Method as per IS 1828 - 1 : 2022	1 kN to 10 kN	0.35 %
88	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine / Tensile Testing Machine (Tension Mode)	Using Force proving Instrument (Load cell) with Digital Indicator by Comparison Method as per IS 1828 - 1 : 2022	1 N to 10 N	0.54 %

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89	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine / Tensile Testing Machine (Tension Mode)	Using Force proving Instrument (Load cell) with Digital Indicator by Comparison Method as per IS 1828 - 1 : 2022	10 kN to 100 kN	0.29 %
90	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine / Tensile Testing Machine (Tension Mode)	Using Force proving Instrument (Load cell) with Digital Indicator by Comparison Method as per IS 1828 - 1 : 2022	10 N to 110 N	0.33 %
91	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine / Tensile Testing Machine (Tension Mode)	Using Force proving Instrument (Load cell) with Digital Indicator by Comparison Method as per IS 1828 - 1 : 2022	100 kN to 500 kN	0.33 %
92	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine / Tensile Testing Machine (Tension Mode)	Using Force proving Instrument (Load cell) with Digital Indicator by Comparison Method as per IS 1828 - 1 : 2022	100 N to 1000 N	0.33 %

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93	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, Compression Testing Machine (Compression Mode)	Using Force proving Instrument (Load cell) with Digital Indicator by Comparison Method as per IS 1828 - 1 : 2022	1 kN to 10 kN	0.32 %
94	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, Compression Testing Machine (Compression Mode)	Using Force proving Instrument (Load cell) with Digital Indicator by Comparison Method as per IS 1828 - 1 : 2022	1 N to 10 N	0.33 %
95	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, Compression Testing Machine (Compression Mode)	Using Force proving Instrument (Load cell) with Digital Indicator by Comparison Method as per IS 1828 - 1 : 2022	10 kN to 100 kN	0.28 %
96	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, Compression Testing Machine (Compression Mode)	Using Force proving Instrument (Load cell) with Digital Indicator by Comparison Method as per IS 1828 - 1 : 2022	10 N to 110 N	0.31 %

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97	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, Compression Testing Machine (Compression Mode)	Using Force proving Instrument (Load cell) with Digital Indicator by Comparison Method as per IS 1828 - 1 : 2022	100 kN to 1000 kN	0.28 %
98	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, Compression Testing Machine (Compression Mode)	Using Force proving Instrument (Load cell) with Digital Indicator by Comparison Method as per IS 1828 - 1 : 2022	100 kN to 500 kN	0.32 %
99	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, Compression Testing Machine (Compression Mode)	Using Force proving Instrument (Load cell) with Digital Indicator by Comparison Method as per IS 1828 - 1 : 2022	100 N to 1000 N	0.32 %
100	THERMAL-TEMPERATURE	Freezer, Oven, Furnace, Temperature Chamber (Multi Position)	Using PRT Sensor (minimum 9 sensor) with Data logger by Comparison Method	(-) 30 °C to 400 °C	2.61 °C
101	THERMAL-TEMPERATURE	Indicator with sensor of Dry Block Calibrator (Single Position)	Using PRT Sensor with Temperature Indicator by Comparison Method	300 °C to 600 °C	1.25 °C

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102	THERMAL-TEMPERATURE	Indicator with sensor of Dry Block Calibrator (Single Position)	Using S-type Thermocouple with Temperature Indicator by Comparison Method	600 °C to 1200 °C	2.70 °C
103	THERMAL-TEMPERATURE	Indicator with sensor of Dry Block Calibrator and Liquid bath (Single Position)	Using PRT Sensor with Temperature Indicator by Comparison Method	(-) 30 °C to 0 °C	0.30 °C
104	THERMAL-TEMPERATURE	Indicator with sensor of Dry Block Calibrator and Liquid bath (Single Position)	Using PRT Sensor with Temperature Indicator by Comparison Method	0 °C to 150 °C	0.13 °C
105	THERMAL-TEMPERATURE	Indicator with sensor of Dry Block Calibrator and Liquid bath (Single Position)	Using PRT Sensor with Temperature Indicator by Comparison Method	150 °C to 300 °C	1.25 °C
106	THERMAL-TEMPERATURE	Oven, Furnace, Temperature Chamber (Multi Position)	Using N Type Thermocouple (minimum 9 sensors) with Data logger by Comparison Method	400 °C to 1200 °C	7.03 °C

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107	THERMAL-TEMPERATURE	RTD & Thermocouple with or without Indicator / Data Logger / Controller / Recorder, Temperature Gauge, Thermometer, Temperature Switch, Temperature Transmitter, Thermister with or without Indicator (Analog & Digital)	Using PRT Sensor with Temperature Indicator, 6½ DMM and Dry Bath by Comparison Method	(-) 30 °C to 0 °C	0.13 °C
108	THERMAL-TEMPERATURE	RTD & Thermocouple with or without Indicator / Data Logger / Controller / Recorder, Temperature Gauge, Thermometer, Temperature Switch, Temperature Transmitter, Thermister with or without Indicator (Analog & Digital)	Using PRT Sensor with Temperature Indicator, 6½ DMM and Dry Bath by Comparison Method	0 °C to 250 °C	0.29 °C

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109	THERMAL-TEMPERATURE	RTD & Thermocouple with or without Indicator / Data Logger / Controller / Recorder, Temperature Gauge, Thermometer, Temperature Transmitter	Using PRT Sensor with Temperature Indicator, 6½ DMM and Dry Bath by Comparison Method	250 °C to 600 °C	1.49 °C
110	THERMAL-TEMPERATURE	Thermocouple with or without Indicator / Data Logger / Controller / Recorder, Thermister with or without Indicator (Analog & Digital)	Using S Type Thermocouple with Temperature Indicator, Dry Bath by Comparison Method	600 °C to 1200 °C	2.69 °C

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