



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

CLEAR POINT INSTRUMENTATION 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

B2-406, BOOMERANG, CHANDIVALI FARM ROAD, ANDHERI EAST, MUMBAI, MAHARASHTRA, INDIA

in the field of

CALIBRATION

Certificate Number: CC-2595

Issue Date: 02/04/2024

Valid Until:

01/04/2026

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

Name of Legal Entity: Clear Point Instrumentation Private Limited

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

CLEAR POINT INSTRUMENTATION PRIVATE LIMITED, B2-406, BOOMERANG,
CHANDIVALI FARM ROAD, ANDHERI EAST, MUMBAI, MAHARASHTRA, INDIA

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Validity

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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 @ 50 Hz	Using Current Transformer (10 VA, 0.8 PF) by Direct Method	100 A to 120 A	1.16 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Current Transformer (2.5 VA, UPF) by Direct Method	100 A to 120 A	1.16 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Current Transformer (10 VA, 0.8 PF) by Direct Method	5 A to 100 A	1.16 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Current Transformer (2.5 VA, UPF) by Direct Method	5 A to 100 A	1.16 %



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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 kHz	Using 6½ Digital Multimeter by Direct Method	100 µA to 10 A	0.27 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with DMM by Direct Method	1 kV to 27 kV	6.43 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with DMM by Direct Method	27 kV to 100 kV	6.43 % to 8.77 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digital Multimeter by Direct Method	100 mV to 1 V	0.15 % to 0.10 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 6½ Digital Multimeter by Direct Method	1 V to 1000 V	0.10 %



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10	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with Current Multiplier Coil (X100) by Direct Method	10 A to 100 A	2.08 % to 1.92 %
11	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with Current Multiplier Coil (X100) by Direct Method	100 A to 500 A	1.92 % to 1.22 %
12	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with Current Multiplier Coil (X100) by Direct Method	500 A to 1000 A	1.22 %
13	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	200 μ A to 1 A	6.19 %
14	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	10 mV to 100 mV	0.63 % to 0.23 %
15	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	10 V to 1000 V	0.22 % to 0.23 %



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16	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	100 mV to 10 V	0.23 % to 0.22 %
17	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	1 nF to 10 µF	1.16 %
18	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	10 µF to 100 µF	1.16 % to 1.22 %
19	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 50 Hz (10 kV)	Using Standard Capacitance & Dissipation factor by Direct Method	100 pF	1.17 %
20	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	Capacitance	Using 6½ Digital Multimeter by Direct Method	1 nF to 0.9 mF	5.60 % to 2.08 %
21	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	0.1 mA to 1 mA	0.11 % to 0.06 %



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22	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	1 mA to 10 mA	0.06 % to 0.08 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	10 mA to 100 mA	0.08 % to 0.09 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	100 mA to 10 A	0.09 % to 0.19 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Shunt and Digital Multimeter by V/I Method	20 A to 300 A	2.45 % to 2.42 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Shunt and Digital Multimeter by V/I Method	300 A to 600 A	2.42 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with DMM by Direct Method	1 kV to 40 kV	3.19 % to 4.15 %



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28	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with DMM by Direct Method	40 kV to 60 kV	4.15 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with DMM by Direct Method	60 kV to 100 kV	4.15 % to 6.21 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	1 mV to 10 mV	0.42 % to 0.05 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	10 mV to 100 mV	0.05 % to 0.009 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	10 V to 1000 V	0.008 % to 0.006 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	100 mV to 10 V	0.009 % to 0.008 %



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34	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	1 Mohm to 10 Mohm	0.014 % to 0.048 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	1 ohm to 10 kohm	0.36 % to 0.013 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	10 kohm to 1 Mohm	0.013 % to 0.014 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	10 Mohm to 1 Gohm	0.048 % to 2.32 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	10 mA to 10 A	0.15 % to 0.35 %
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with Current Multiplier Coil (X100) by Direct Method	100 A to 500 A	1.37 % to 1.41 %



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40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with Current Multiplier Coil (X100) by Direct Method	20 A to 100 A	2.02 % to 1.37 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	200 μ A to 10 mA	0.19 % to 0.15 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with Current Multiplier Coil (X100) by Direct Method	500 A to 1000 A	1.41 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	1 mV to 100 mV	1.34 % to 0.13 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	10 V to 1000 V	0.13 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	100 mV to 10 V	0.13 %



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46	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	High Resistance (2 Wire)	Using Multifunction Electrical Tester Calibrator by Direct Method	1 Gohm to 10 Gohm	1.18 % to 1.19 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	High Resistance (2 Wire)	Using Multifunction Electrical Tester Calibrator by Direct Method	100 Mohm to 1 Gohm	0.58 % to 1.18 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	High Resistance @ 1 kV (2 Wire)	Using Standard Resistor by Direct Method	1 Tohm	5.90 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	100 ohm to 1000 ohm	0.12 % to 0.60 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	1000 ohm to 10 Mohm	0.60 % to 0.12 %
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	1 ohm to 100 ohm	0.23 % to 0.12 %



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52	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	Transformer Turns Ratio @ 50 Hz (40 V & 80 V)	Using 6½ Digit Multimeter and Megger Turns Ratio Standard by Comparison (V/V) Method	1 Turn to 2000 Turn	0.92 % to 0.63 %
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - J Type	Using Multifunction Calibrator by Direct Method	(-) 210 °C to 1200 °C	0.84 °C
54	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - K Type	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1370 °C	0.95 °C
55	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digital Multimeter by Direct Method	10 Hz to 1 MHz	0.10 % to 0.12 %
56	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct Method	10 Hz to 10 MHz	0.0001 % to 0.022 %



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57	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Waveform Generator by Direct Method	10 Hz to 1 MHz	0.062 % to 0.0002 %
58	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction Calibrator by Direct Method	10 Hz to 10 kHz	0.51 % to 0.52 %
59	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction Calibrator by Direct Method	10 kHz to 1 MHz	0.52 %



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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Current Transformer (10 VA, 0.8 PF) by Direct Method	100 A to 120 A	1.16 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Current Transformer (2.5 VA, UPF) by Direct Method	100 A to 120 A	1.16 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Current Transformer (10 VA, 0.8 PF) by Direct Method	5 A to 100 A	1.16 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Current Transformer (2.5 VA, UPF) by Direct Method	5 A to 100 A	1.16 %



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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 kHz	Using 6½ Digital Multimeter by Direct Method	100 µA to 10 A	0.27 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with DMM by Direct Method	1 kV to 27 kV	6.43 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with DMM by Direct Method	27 kV to 100 kV	6.43 % to 8.77 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digital Multimeter by Direct Method	100 mV to 1 V	0.15 % to 0.10 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 6½ Digital Multimeter by Direct Method	1 V to 1000 V	0.10 %



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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with Current Multiplier Coil (X100) by Direct Method	10 A to 100 A	2.08 % to 1.92 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with Current Multiplier Coil (X100) by Direct Method	100 A to 500 A	1.92 % to 1.22 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with Current Multiplier Coil (X100) by Direct Method	500 A to 1000 A	1.22 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	200 μ A to 1 A	6.19 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	10 mV to 100 mV	0.63 % to 0.23 %
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	10 V to 1000 V	0.22 % to 0.23 %



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16	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multifunction Calibrator by Direct Method	100 mV to 10 V	0.23 % to 0.22 %
17	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	1 nF to 10 µF	1.16 %
18	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	10 µF to 100 µF	1.16 % to 1.22 %
19	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 50 Hz (10 kV)	Using Standard Capacitance & Dissipation factor by Direct Method	100 pF	1.17 %
20	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	Capacitance	Using 6½ Digital Multimeter by Direct Method	1 nF to 0.9 mF	5.60 % to 2.08 %
21	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	0.1 mA to 1 mA	0.11 % to 0.06 %



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22	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	1 mA to 10 mA	0.06 % to 0.08 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	10 mA to 100 mA	0.08 % to 0.09 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter by Direct Method	100 mA to 10 A	0.09 % to 0.19 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Shunt and Digital Multimeter by V/I Method	20 A to 300 A	2.45 % to 2.42 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Shunt and Digital Multimeter by V/I Method	300 A to 600 A	2.42 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with DMM by Direct Method	1 kV to 40 kV	3.19 % to 4.15 %



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28	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with DMM by Direct Method	40 kV to 60 kV	4.15 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with DMM by Direct Method	60 kV to 100 kV	4.15 % to 6.21 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	1 mV to 10 mV	0.42 % to 0.05 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	10 mV to 100 mV	0.05 % to 0.009 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	10 V to 1000 V	0.008 % to 0.006 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter by Direct Method	100 mV to 10 V	0.009 % to 0.008 %



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34	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	1 Mohm to 10 Mohm	0.014 % to 0.048 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	1 ohm to 10 kohm	0.36 % to 0.013 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	10 kohm to 1 Mohm	0.013 % to 0.014 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digital Multimeter by Direct Method	10 Mohm to 1 Gohm	0.048 % to 2.32 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	10 mA to 10 A	0.15 % to 0.35 %
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with Current Multiplier Coil (X100) by Direct Method	100 A to 500 A	1.37 % to 1.41 %



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40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with Current Multiplier Coil (X100) by Direct Method	20 A to 100 A	2.02 % to 1.37 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	200 μ A to 10 mA	0.19 % to 0.15 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with Current Multiplier Coil (X100) by Direct Method	500 A to 1000 A	1.41 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	1 mV to 100 mV	1.34 % to 0.13 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	10 V to 1000 V	0.13 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	100 mV to 10 V	0.13 %



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46	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	High Resistance (2 Wire)	Using Multifunction Electrical Tester Calibrator by Direct Method	1 Gohm to 10 Gohm	1.18 % to 1.19 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	High Resistance (2 Wire)	Using Multifunction Electrical Tester Calibrator by Direct Method	100 Mohm to 1 Gohm	0.58 % to 1.18 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	High Resistance @ 1 kV (2 Wire)	Using Standard Resistor by Direct Method	1 Tohm	5.90 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	100 ohm to 1000 ohm	0.12 % to 0.60 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	1000 ohm to 10 Mohm	0.60 % to 0.12 %
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	1 ohm to 100 ohm	0.23 % to 0.12 %



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52	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	Transformer Turns Ratio @ 50 Hz (40 V & 80 V)	Using 6½ Digit Multimeter and Megger Turns Ratio Standard by Comparison (V/V) Method	1 Turn to 2000 Turn	0.92 % to 0.63 %
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - J Type	Using Multifunction Calibrator by Direct Method	(-) 210 °C to 1200 °C	0.84 °C
54	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - K Type	Using Multifunction Calibrator by Direct Method	(-) 200 °C to 1370 °C	0.95 °C
55	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digital Multimeter by Direct Method	10 Hz to 1 MHz	0.10 % to 0.12 %
56	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Frequency Counter by Direct Method	10 Hz to 10 MHz	0.0001 % to 0.022 %



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57	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Waveform Generator by Direct Method	10 Hz to 1 MHz	0.062 % to 0.0002 %
58	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction Calibrator by Direct Method	10 Hz to 10 kHz	0.51 % to 0.52 %
59	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction Calibrator by Direct Method	10 kHz to 1 MHz	0.52 %

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