



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

VIKRAM AVIATION PVT. LTD.

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

PLOT NO - 2, KHASRA NO - 348/2, VILLAGE SHAHBAD MOHHAMADPUR, SOUTH WEST, DELHI, INDIA

in the field of

CALIBRATION

Certificate Number: CC-4223

Issue Date: 12/01/2025

Valid Until: 11/01/2029

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: VIKRAM AVIATION PVT. LTD.

Signed for and on behalf of NABL




Anita Rani
Director


N. Venkateswaran
Chief Executive Officer



VIKRAM AVIATION PVT. LTD

PLOT NO-2, KHASRA NO-348/2, VILL-SHAHBAD MOHAMADPUR,
DELHI-61



NABL CALIBRATION CAPABILITY

S/N.	EQUIPMENT/INSTRUMENT/DUC	RANGE
1	DIGITAL MULTIMETER	AC VOLT- 200mV to 750V DC VOLT-1mV to 1000V AC AMPS-100 μ A to 10A DC AMPS-100 μ A to 10A RESISTANCE-1 Ω to 500 M Ω FREQUENCY-40Hz to 1kHz CAPACITANCE-100 pF to 100 μ F
2	DC VOLTMETER	1mV to 1000VOLT
3	AC VOLTMETER	200mV to 750 VOLT
4	AC AMMETER	100 μ A to 10 AMPS.
5	DC AMMETER	100 μ A to 10 AMPS.
6	FREQUENCY METER	40Hz to 1kHz
7	MEGGER (INSULATION TESTER)	1 Ω to -1 T Ω
8	BEVEL PROTRACTOR	0° to 360° (L.C-1')
9	DIGITAL/DIAL VERNIER CALIPER	0 to 300 mm (L.C -0.01mm)
10	DEPTH CALIPER	0 to 300 mm (L.C -0.01mm)
11	DEPTH GAUGE	0 to 300 mm (L.C -0.001mm)
12	DEPTH MICROMETER	0 to 300 mm (L.C -0.001mm)
13	DIAL GAUGE-LEVER TYPE	0 to 0.2 mm (L.C -0.001mm)
14	DIAL GAUGE-LEVER TYPE	0 to 1.5 mm (L.C -0.01mm)
15	DIAL GAUGE-PLUNGER TYPE	0 to 100 mm (L.C -0.01mm)
16	DIAL THICKNESS GAUGE	0 to 25 mm (L.C -0.001mm)
17	EXTERNAL MICROMETER	0 to 25 mm (L.C -0.001mm)
18	EXTERNAL MICROMETER	0 to 300 mm (L.C -0.01mm)
19	HEIGHT GAUGE	0 to 300 mm (L.C -0.01mm)
20	INCLINOMETER/CLINOMETER/ DIGITAL ANGLE PROTRACTOR	0° to 180° (L.C-0.6')
21	INTERNAL MICROMETER-2 POINT	5 mm to 300 mm (L.C -0.001mm)
22	MICROMETER SETTING ROD	25 mm to 275mm
23	PUSH PULL GAUGE/FORCE GAUGE	1N to 1000N
24	DIGITAL/DIAL PRESSURE PRESSURE TRANSMITTER/TRANSDUCER	0 to 700 bar
25	DIGITAL/DIAL PRESSURE PRESSURE TRANSMITTER/TRANSDUCER	0 to 30 bar
26	TORQUE WRENCH/DRIVER	2 Nm to 2000 Nm
27	INDICATOR WITH SENSOR OF HUMIDITY CHAMBER	10% RH to 95 %RH @250C
28	THERMO-HYGROMETER/RH SENSOR/RH TRANSMITTER/CONTROLLER/DATA LOGGER	10% RH to 95 %RH @250C
29	THERMO-HYGROMETER/RH SENSOR/RH TRANSMITTER/CONTROLLER/DATAT LOGGER/RECORDER	10 0C to 500C @50%RH
30	LIQUID GLASS THERMETER	-30 to 250 0C
31	RTD/THERMOCOUPLE/TRNSMITTER TEMPERATURE GAUGE	-30 to 250 0C



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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 to 1 kHz)	Using 6½ Digits Digital Multimeter by Direct Method	100 µA to 200 mA	0.3 % to 0.2 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ (50 Hz to 1 kHz)	Using 6½ Digits Digital Multimeter by Direct Method	200 mA to 10 A	0.2 % to 0.3 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ (50 Hz to 1 kHz)	Using 6½ Digits Digital Multimeter by Direct Method	10 mV to 200 mV	0.5 % to 0.12 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ (50 Hz to 1 kHz)	Using 6½ Digits Digital Multimeter by Direct Method	200 mV to 750 V	0.12 % to 0.23 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (50 Hz to 1 kHz)	Using Multifunction Calibrator by Direct Method	100 µA to 200 mA	0.34 % to 0.58 %



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6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (50 Hz to 1 kHz)	Using Multifunction Calibrator by Direct Method	200 mA to 10 A	0.58 % to 0.34 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with Current Coil (100 Turns) by Direct Method	10 A to 1000 A	1.5 % to 1.29 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (50 Hz to 1 kHz)	Using Multifunction Calibrator by Direct Method	10 mV to 200 mV	0.93 % to 0.34 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (50 Hz to 1 kHz)	Using Multifunction Calibrator by Direct Method	200 mV to 750 V	0.34 % to 0.17 %
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Capacitance Decade Box by Direct Method	100 pF to 100 µF	1 % to 0.9 %
11	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digits Digital Multimeter by Direct Method	100 µA to 200 mA	0.17 % to 0.1 %



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12	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digits Digital Multimeter by Direct Method	200 mA to 10 A	0.1 % to 0.07 %
13	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digits Digital Multimeter by Direct Method	1 mV to 200 mV	0.54 % to 0.1 %
14	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digits Digital Multimeter by Direct Method	200 mV to 1000 V	0.1 % to 0.07 %
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digits Digital Multimeter by Direct Method	10 Mohm to 100 Mohm	0.08 % to 1 %
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digits Digital Multimeter by Direct Method	100 ohm to 10 Mohm	0.1 % to 0.08 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digits Digital Multimeter by Direct Method	1 ohm to 100 ohm	0.94 % to 0.1 %



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18	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with Current Coil (100 Turns) by Direct Method	10 A to 1000 A	1.3 % to 1.51 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	100 μ A to 200 mA	0.2 % to 0.26 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	200 mA to 10 A	0.26 % to 0.2 %
21	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	1 mV to 200 mV	5.78 % to 0.13 %
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	200 mV to 1000 V	0.13 % to 0.17 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	10 Mohm to 100 Mohm	0.12 % to 1 %



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24	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	100 ohm to 10 Mohm	0.12 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by Direct Method	1 Gohm	2.81 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by direct method	1 Mohm	2.0 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by Direct Method	10 Mohm	2 %
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by Direct Method	100 Mohm	2 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by Direct Method	20 Mohm	2 %



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30	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by Direct Method	200 Mohm	2.4 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by Direct Method	500 Mohm	2.49 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 1000 V	Using Standard Resistance Box by Direct Method	10 Gohm	2.38 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 1000 V	Using Standard Resistance Box by Direct Method	100 Gohm	2.58 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 1000 V	Using Standard Resistance Box by Direct Method	1000 Gohm	10.29 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 1000 V	Using Standard Resistance Box by Direct Method	200 Gohm	3.2 %



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36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 1000 V	Using Standard Resistance Box by Direct Method	500 Gohm	5.53 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	1 ohm to 100 ohm	0.2 % to 0.12 %
38	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Multifunction Calibrator by Direct Method	40 Hz to 1 kHz	0.07 % to 0.09 %
39	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digits Digital Multimeter by Direct Method	40 Hz to 1 kHz	0.13 % to 0.05 %
40	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time Interval	Using Digital Time Calibrator by Comparison Method	1 s to 86400 s	0.11 s to 5 s



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41	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor, (L.C.: 1')	Using Sine Bar, Slip Gauge Block Set and Surface Plate by Direct Method	0 ° to 360 °	3.1 minutes of Arc
42	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Digital / Dial / Vernier, (L.C.: 0.01 mm)	Using Slip Gauge Blocks, Slip Gauge Block Accessories and Caliper Checker by Direct Method	0 to 300 mm	9 μ m
43	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Caliper (L.C.: 0.001 mm)	Using Slip Gauge Blocks, Slip Gauge Block Accessories and Surface Plate by Direct Method	0 to 300 mm	11.6 μ m
44	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Gauge (L.C.: 0.001 mm)	Using Slip Gauge Blocks, Slip Gauge Block Accessories and Surface Plate by Direct Method	0 to 300 mm	8 μ m
45	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer (L.C.: 0.001 mm)	Using Slip Gauge Blocks, Slip Gauge Block Accessories and Surface Plate by Direct Method	0 to 300 mm	8 μ m



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46	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge - Lever Type (L.C.: 0.001 mm)	Using Slip Gauge Blocks and Comparator Stand by Direct Method	0 to 0.2 mm	3.3 µm
47	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge - Lever Type (L.C.: 0.01 mm)	Using Slip Gauge Blocks and Comparator Stand by Direct Method	0 to 1.5 mm	7 µm
48	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge - Plunger Type, (L.C.: 0.01 mm)	Using Slip Gauge Blocks and Comparator Stand by Direct Method	0 to 100 mm	7 µm
49	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge - Plunger Type, (L.C.: 0.01 mm)	Using Slip Gauge Blocks and Comparator Stand by Direct Method	0 to 25 mm	6.6 µm
50	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge (L.C.: 0.001 mm)	Using Slip Gauge Blocks by Direct Method	0 to 25 mm	5.8 µm



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51	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer, (L.C.: 0.001 mm)	Using Slip Gauge Blocks and Optical Parallel Set by Direct Method	0 to 25 mm	1 μ m
52	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer, (L.C.: 0.01 mm)	Using Slip Gauge Blocks and Optical Parallel Set by Direct Method	0 to 300 mm	8.14 μ m
53	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (L.C.: 0.01 mm)	Using Slip Gauge Blocks, Caliper Checker and Surface Plate by Direct Method	0 to 300 mm	9.3 μ m
54	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inclinometer / Clinometer / Digital Angle Protractor (L.C.: 0.6')	Using Sine Bar, Slip Gauge Block Set and Surface Plate by Direct Method	0 ° to 180 °	1.31 minutes of Arc
55	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer - 2 Point (L.C.: 0.001 mm)	Using Slip Gauge Blocks and Slip Gauge Block Accessories by Direct Method	5 mm to 300 mm	5 μ m



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56	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Rod	Using Slip Gauge Blocks, Lever Dial Gauge, Slip Gauge Block Accessories and Surface Plate by Comparison Method	25 mm to 275 mm	4 μ m
57	MECHANICAL-MOBILE FORCE MEASURING SYSTEM	Push Pull Gauge / Force Gauge - Push / Pull Mode	Using Slotted and Hanger Weights by Direct Method as per VDI / VDE 2624 - 2.1	1 N to 1000 N	1.43 %
58	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure - Pressure Gauge (Digital / Dial), Pressure Transducer / Transmitter	Using Digital Pressure Gauge, Digital Multimeter and Hydraulic Pressure Pump by Comparison Method as per DKD R 6 - 1	0 to 700 bar	0.87 bar
59	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Pressure Gauge (Digital / Dial), Pressure Transducer / Transmitter	Using Digital Pressure Gauge, Digital Multimeter and Pneumatic Pressure Pump by Comparison Method as per DKD R 6 - 1	0 to 30 bar	0.07 bar
60	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench / Driver - Type I (Class - A, B, C, D, E) & Type II (Class - A, B, D, E, G)	Using Torque Sensors with Indicator by Comparison Method as per ISO 6789:2017	2 Nm to 2000 Nm	1.9 %



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61	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Humidity Chamber, Environmental Chamber - Single Position Calibration	Using Relative Humidity & Temperature Sensor with Indicator by Comparison Method	10 % rh to 95 % rh @ 25 °C	2.06 % rh
62	THERMAL-SPECIFIC HEAT & HUMIDITY	Thermo Hygrometer, RH Sensor, RH Transmitter with / without Indicator / Controller/ Data Logger/ Recorder	Using Relative Humidity & Temperature Sensor with Indicator, Digital Multimeter, Relative Humidity & Temperature Chamber by Comparison Method	10 % rh to 95 % rh @ 25 °C	2.11 % rh
63	THERMAL-SPECIFIC HEAT & HUMIDITY	Thermo Hygrometer, Temperature & RH Sensor / Transmitter with / without Indicator/ Controller/ Data Logger/ Recorder	Using Relative Humidity & Temperature Sensor with Indicator, Digital Multimeter, Relative Humidity & Temperature Chamber by Comparison Method	10 °C to 50 °C @ 50 % rh	1.01 °C
64	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using PRT with Digital Thermometer and Oil Bath by Comparison Method	(-) 30 °C to 50 °C	0.54 °C



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65	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using PRT with Digital Thermometer and Oil Bath by Comparison Method	> 50 °C to 250 °C	0.55 °C
66	THERMAL-TEMPERATURE	RTD / Thermocouple with Indicator, Temperature Transmitter, Temperature Gauge	Using PRT with Digital Thermometer, Digital Multimeter and Oil Bath by Comparison Method	(-) 30 °C to 50 °C	0.47 °C
67	THERMAL-TEMPERATURE	RTD / Thermocouple with Indicator, Temperature Transmitter, Temperature Gauge	Using PRT with Digital Thermometer, Digital Multimeter and Oil Bath by Comparison Method	> 50 °C to 250 °C	0.47 °C



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Laboratory Name :

VIKRAM AVIATION PVT. LTD., PLOT NO - 2, KHASRA NO - 348/2, VILLAGE
SHAHBAD MOHAMMADPUR, SOUTH WEST, DELHI, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

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Validity

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Last Amended on

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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)(±)
Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ (50 Hz to 1 kHz)	Using 6½ Digits Digital Multimeter by Direct Method	100 µA to 200 mA	0.3 % to 0.2 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ (50 Hz to 1 kHz)	Using 6½ Digits Digital Multimeter by Direct Method	200 mA to 10 A	0.2 % to 0.3 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ (50 Hz to 1 kHz)	Using 6½ Digits Digital Multimeter by Direct Method	10 mV to 200 mV	0.5 % to 0.12 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ (50 Hz to 1 kHz)	Using 6½ Digits Digital Multimeter by Direct Method	200 mV to 750 V	0.12 % to 0.23 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (50 Hz to 1 kHz)	Using Multifunction Calibrator by Direct Method	100 µA to 200 mA	0.34 % to 0.58 %



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6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ (50 Hz to 1 kHz)	Using Multifunction Calibrator by Direct Method	200 mA to 10 A	0.58 % to 0.34 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator with Current Coil (100 Turns) by Direct Method	10 A to 1000 A	1.5 % to 1.29 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (50 Hz to 1 kHz)	Using Multifunction Calibrator by Direct Method	10 mV to 200 mV	0.93 % to 0.34 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ (50 Hz to 1 kHz)	Using Multifunction Calibrator by Direct Method	200 mV to 750 V	0.34 % to 0.17 %
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Capacitance Decade Box by Direct Method	100 pF to 100 µF	1 % to 0.9 %
11	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digits Digital Multimeter by Direct Method	100 µA to 200 mA	0.17 % to 0.1 %



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12	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digits Digital Multimeter by Direct Method	200 mA to 10 A	0.1 % to 0.07 %
13	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digits Digital Multimeter by Direct Method	1 mV to 200 mV	0.54 % to 0.1 %
14	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digits Digital Multimeter by Direct Method	200 mV to 1000 V	0.1 % to 0.07 %
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digits Digital Multimeter by Direct Method	10 Mohm to 100 Mohm	0.08 % to 1 %
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digits Digital Multimeter by Direct Method	100 ohm to 10 Mohm	0.1 % to 0.08 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digits Digital Multimeter by Direct Method	1 ohm to 100 ohm	0.94 % to 0.1 %



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18	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator with Current Coil (100 Turns) by Direct Method	10 A to 1000 A	1.3 % to 1.51 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	100 µA to 200 mA	0.2 % to 0.26 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator by Direct Method	200 mA to 10 A	0.26 % to 0.2 %
21	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	1 mV to 200 mV	5.78 % to 0.13 %
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator by Direct Method	200 mV to 1000 V	0.13 % to 0.17 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	10 Mohm to 100 Mohm	0.12 % to 1 %



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24	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	100 ohm to 10 Mohm	0.12 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by Direct Method	1 Gohm	2.81 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by direct method	1 Mohm	2.0 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by Direct Method	10 Mohm	2 %
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by Direct Method	100 Mohm	2 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by Direct Method	20 Mohm	2 %



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30	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by Direct Method	200 Mohm	2.4 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Standard Resistance Box by Direct Method	500 Mohm	2.49 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 1000 V	Using Standard Resistance Box by Direct Method	10 Gohm	2.38 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 1000 V	Using Standard Resistance Box by Direct Method	100 Gohm	2.58 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 1000 V	Using Standard Resistance Box by Direct Method	1000 Gohm	10.29 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 1000 V	Using Standard Resistance Box by Direct Method	200 Gohm	3.2 %



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36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire) @ 1000 V	Using Standard Resistance Box by Direct Method	500 Gohm	5.53 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	1 ohm to 100 ohm	0.2 % to 0.12 %
38	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Multifunction Calibrator by Direct Method	40 Hz to 1 kHz	0.07 % to 0.09 %
39	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digits Digital Multimeter by Direct Method	40 Hz to 1 kHz	0.13 % to 0.05 %
40	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time Interval	Using Digital Time Calibrator by Comparison Method	1 s to 86400 s	0.11 s to 5 s



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41	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure - Pressure Gauge (Digital / Dial), Pressure Transducer / Transmitter	Using Digital Pressure Gauge, Digital Multimeter and Hydraulic Pressure Pump by Comparison Method as per DKD R 6 - 1	0 to 700 bar	0.87 bar
42	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure - Pressure Gauge (Digital / Dial), Pressure Transducer / Transmitter	Using Digital Pressure Gauge, Digital Multimeter and Pneumatic Pressure Pump by Comparison Method as per DKD R 6 - 1	0 to 30 bar	0.07 bar
43	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Humidity Chamber, Environmental Chamber - Single Position Calibration	Using Relative Humidity & Temperature Sensor with Indicator by Comparison Method	10 % rh to 95 % rh @ 25 °C	2.06 % rh
44	THERMAL-TEMPERATURE	RTD / Thermocouple with Indicator, Temperature Transmitter, Temperature Gauge	Using PRT with Digital Thermometer, Digital Multimeter and Oil Bath by Comparison Method	(-) 30 °C to 50 °C	0.47 °C



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45	THERMAL-TEMPERATURE	RTD / Thermocouple with Indicator, Temperature Transmitter, Temperature Gauge	Using PRT with Digital Thermometer, Digital Multimeter and Oil Bath by Comparison Method	> 50 °C to 250 °C	0.47 °C

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