National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	DL LABS, 707/12/22, 1ST FLOOR SHIVJI PARK, KHANDSA ROAD, GURGAON, GURUGRAM, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
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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 k Hz	Using 6½ Digit Multimeter By Direct method	1 A to 10 A	0.18 % to 0.26 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 k Hz	6½ Digit Multimeter By Direct method	1 mA to 1 A	0.21 % to 0.18 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 k Hz	Using 6½ Digit Multimeter By Direct method	100 µA to 1 mA	0.35 % to 0.21 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50Hz	Using 6½ Digit Multimeter By Direct method	33 µA to 100 µA	0.46 % to 0.35 %

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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50Hz	Using HV Prove With 4½ Digit Multimeter By Comparison method	1 kV to 20 kV	8.02%
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 HZ to 1 kHz	Using 6½ Digit Multimeter By Direct method	1 mV to 10 mV	4.74 % to 1 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 HZ to 1 kHz	Using 6½ Digit Multimeter By Direct method	10 mV to 100 mV	1.01 % to 0.12 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 HZ to 1 kHz	Using 6½ Digit Multimeter By Direct method	100 mV to 1000 V	0.12 % to 0.10 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using 6½ Digit Multimeter By Direct method	1 µF to 10 µF	1.8 % to 1.77 %

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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using 6½ Digit Multimeter By Direct method	220 nF to 1 µF	1.8%
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Capacitance @ 1 kHz	Using Capacitance Box By Direct method	1 µF to 9 µF	2.5 % to 2.6 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Capacitance @ 1 kHz	Using Capacitance Box By Direct method	10 pF to 1 µF	2.5%
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	1 A to 10 A	0.39 % to 0.33 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	1 mA to 2 mA	0.46 % to 0.40 %

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15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	2 mA to 1000 mA	0.40 % to 1.11 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @50 Hz	Using Digital Multifunction Calibrator With Current Coil By Direct method	10 A to 1000 A	1.11 % to 0.7 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Inductance @ 1 kHz	Using Inductance Box By Direct method	1 H to 10 H	4 % to 3.5 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Inductance @ 1 kHz	Using Inductance Box By Direct method	10 µH to 1 H	4%
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Digital Multifunction Calibrator By Direct method	1 mV to 10 mV	4.62 % to 1.01 %
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	1 V to 100 V	0.46 % to 0.36 %

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21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	10 mV to 100 mV	1 % to 0.21 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	100 mV to 1 V	0.21 % to 0.46 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	100 V to 1000 V	0.36 % to 0.22 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter By Direct method	1 mA to 100 mA	0.067%
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter By Direct method	10 µA to 100 µA	0.8 % to 0.1 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter By Direct method	100 µA to 1 mA	0.1%

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27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter By Direct method	100 mA to 10 A	0.06 % to 0.03 %
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Prove with 4½ Digit Multimeter By Direct method	1 kV to 5 kV	3%
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter By Direct method	1 mV to 100 mV	0.42 % to 0.017 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter By Direct method	100 mV to 1000 V	0.017 % to 0.04 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance 2 Wire	Using 6½ Digit Multimeter By Direct method	100 Mohm to 1 Gohm	2.9%
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance 4 Wire	Using 6½ Digit Multimeter By Direct method	1 ohm to 100 Mohm	0.36 % to 2.9 %

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33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Digital Multifunction Calibrator By Direct method	1 A to 10 A	0.25 % to 0.24 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Digital Multifunction Calibrator By Direct method	1 mA to 2 mA	0.06 % to 0.22 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Digital Multifunction Calibrator With Current Coil By Direct method	10 A to 1000 A	0.82%
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Digital Multifunction Calibrator By Direct method	2 mA to 1000 mA	0.25%
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 wire	Using Resistance Box By Direct method	900 kohm to 900 Mohm	1.16 % to 2.5 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using Std. Resistance Box By Direct method	1 mohm	3.5%

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39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using Resistance Box By Direct method	1 ohm to 900 kohm	0.5 % to 1.16 %
40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Digital Multifunction Calibrator By Direct method	0.2 V to 20 V	0.18 % to 0.12 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Digital Multifunction Calibrator By Direct method	1 mV to 20 mV	1.4 % to 0.18 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Digital Multifunction Calibrator By Direct method	20 mV to 200 mV	0.18%
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Digital Multifunction Calibrator By Direct method	20 V to 1000 V	0.12 % to 0.13 %
44	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	600 °C to 1800 °C	2.3°C

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45	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	-200 °C to 1000 °C	0.93°C
46	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	-200 °C to 1200 °C	0.84°C
47	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	-200 °C to 1300 °C	1.22°C
48	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	-200 °C to 1300 °C	1.1°C
49	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	0 to 1750 °C	1.26°C
50	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD Simulator	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	-190 °C to 800 °C	0.81°C

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51	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	0 to 1750 °C	1.26°C
52	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	0 °C to 400 °C	0.92°C
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	600 °C to 1800 °C	2.3°C
54	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	-200 °C to 1000 °C	0.93°C
55	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	-200 °C to 1200 °C	0.84°C
56	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	-190 °C to 1300 °C	1.1°C

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57	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	-200 °C to 1300 °C	1.1°C
58	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	0 to 1750 °C	1.4°C
59	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD Indicator	Using precision Calibrator/ RTD Source By Direct method	-190 °C to 790 °C	0.87°C
60	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	0 to 1750 °C	1.4°C
61	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	0 °C to 400 °C	0.85°C
62	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter By Direct method	10 Hz to 100 kHz	0.59 % to 0.01 %

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63	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital time Calibrator By Comparison method	1 s to 9999 s	1 % to 0.6 %
64	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Digital Multifunction Calibrator By Direct method	45 Hz to 1 kHz	0.5 % to 0.2 %
65	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper(Vernier/Dial/ Digital) LC:0.01mm	Using gauge block $ Caliper checker by Comparison Method	0 to 300 mm	9.9µm
66	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper(Vernier/Dial/ Digital) LC:0.01mm	Using Gauge Blocks & Caliper checker by Comparison Method	0 to 600 mm	17.5µm
67	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Caliper LC: 0.01mm	Using Gauge Blocks & Caliper Checker by Comparison Method	0 to 300 mm	10.6µm

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68	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer LC:0.01mm	Using Gauge Blocks by Comparison Method	0 to 100 mm	6µm
69	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Indicator LC:0.001mm	Using Dial Calibration Tester by Comparison Method	0 to 1 mm	1.7µm
70	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Test Indicator LC:0.001mm	Using Dial Calibration Tester by Comparison Method	0 to 0.14 mm	1.7µm
71	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Elongation Gauge	Using Digital Caliper by Comparison Method	0 to 100 mm	15µm
72	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer LC:0.001mm	Using Gauge Blocks by Comparison Method	0 to 25 mm	1.5µm

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73	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer LC:0.001mm	Using Gauge Blocks by Comparison Method	100 to 120 mm	6 µm
74	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer LC:0.001mm	Using Gauge Blocks by Comparison Method	25 mm to 50 mm	5.9µm
75	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer LC:0.001mm	Using Gauge Blocks by Comparison Method	50 to 75 mm	6.8µm
76	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer LC:0.001mm	Using Gauge Blocks by Comparison Method	75 to 100 mm	6.8µm
77	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using digital Micrometer LC:0.001mm by Comparison Method	0 to 1 mm	2.3µm

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78	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (Vernier/Dial/Digital) LC:0.01mm	using Gauge Blocks & Caliper Checker by Comparison Method	0 to 600 mm	13.2µm
79	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Industrial Angle Gauge	Using Profile Projector by Comparison Method	0 to 90 °	1.7min.
80	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inspection Gauge, Angle	Using Profile Projector by Comparison Method	0 to 90 °	1.7min.
81	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inspection Gauge, Length	Using Profile Projector by Comparison Method	0 to 100 mm	16µm
82	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Steel Scale L.C.:0.5 mm	Using Profile projector by Comparison Method	0 to 150 mm	24.6µm

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83	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge	Using Profile Projector by Comparison Method	0 to 25 mm	7.9µm
84	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Setting Rod (Length)	Using slip Gauge Set, Comparator Stand & Dial Gauge by Comparison Method	25 to 100 mm	6.5µm
85	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge	Using Gauge Blocks by Comparison Method	up to 68 mm	2µm
86	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge	Using Gauge Block & Surface plate by Comparison Method	0 to 300 mm	3.2µm
87	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Scale , L.C.:0.1mm	Using Profile Projector by Comparison Method	0.1 mm to 16 mm	24.5µm

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88	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve (Aperture size)	Using Profile Projector by Comparison Method	100 µm to 10 mm	8µm
89	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Gauge (Length)	Using Profile Projector by Comparison Method	0 to 6 mm	7.4µm
90	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Wire Gauge	Using Profile Projector by Comparison Method	2 mm to 8 mm	8µm
91	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic pressure: Analog/Digital Pressure gauge , Pressure Transmitters/Pressure Switch/Pressure Transducer/Pressure Controller/Pressure Indicator	Digital Pressure Gauge using Hydraulic Pressure Comparator, Digital Multimeter by Comparison Method as per DKD-R 6-1	0 to 70 bar	0.12bar

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92	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic pressure: Analog/Digital Pressure gauge , Pressure Transmitters/Pressure Switch/Pressure Transducer/Pressure Controller/Pressure Indicator	Digital Pressure Gauge using Hydraulic Pressure Comparator, Digital Multimeter by Comparison Method as per DKD-R 6-1	0 to 700 bar	0.39bar
93	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic pressure: Analog/Digital Pressure gauge , Pressure Transmitters/Pressure Switch/Pressure Transducer/Pressure Controller/Pressure Indicator	Digital Pressure Gauge using Pneumatic Pressure Comparator, Digital Multimeter by Comparison Method as per DKD-R 6-1	0 to 7 bar	0.005bar
94	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Pneumatic Digital/ Analog Vacuum Gauge, Pressure Transmitter/Pressure Transducer	Digital Pressure Gauge using Pneumatic Pressure pump ,Digital Multimeter by Comparison Method as per DKD-R 6-1	-0.90 bar to 0	0.001bar

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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 k Hz	Using 6½ Digit Multimeter By Direct method	1 A to 10 A	0.18 % to 0.26 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 k Hz	6½ Digit Multimeter By Direct method	1 mA to 1 A	0.21 % to 0.18 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 k Hz	Using 6½ Digit Multimeter By Direct method	100 µA to 1 mA	0.35 % to 0.21 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50Hz	Using 6½ Digit Multimeter By Direct method	33 µA to 100 µA	0.46 % to 0.35 %

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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50Hz	Using HV Prove With 4½ Digit Multimeter By Comparison method	1 kV to 20 kV	8.02%
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 HZ to 1 kHz	Using 6½ Digit Multimeter By Direct method	1 mV to 10 mV	4.74 % to 1 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 HZ to 1 kHz	Using 6½ Digit Multimeter By Direct method	10 mV to 100 mV	1.01 % to 0.12 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 HZ to 1 kHz	Using 6½ Digit Multimeter By Direct method	100 mV to 1000 V	0.12 % to 0.10 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using 6½ Digit Multimeter By Direct method	1 µF to 10 µF	1.8 % to 1.77 %

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10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using 6½ Digit Multimeter By Direct method	220 nF to 1 µF	1.8%
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Capacitance @ 1 kHz	Using Capacitance Box By Direct method	1 µF to 9 µF	2.5 % to 2.6 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Capacitance @ 1 kHz	Using Capacitance Box By Direct method	10 pF to 1 µF	2.5%
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	1 A to 10 A	0.39 % to 0.33 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	1 mA to 2 mA	0.46 % to 0.40 %

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15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	2 mA to 1000 mA	0.40 % to 1.11 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @50 Hz	Using Digital Multifunction Calibrator With Current Coil By Direct method	10 A to 1000 A	1.11 % to 0.7 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Inductance @ 1 kHz	Using Inductance Box By Direct method	1 H to 10 H	4 % to 3.5 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Inductance @ 1 kHz	Using Inductance Box By Direct method	10 µH to 1 H	4%
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Digital Multifunction Calibrator By Direct method	1 mV to 10 mV	4.62 % to 1.01 %
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	1 V to 100 V	0.46 % to 0.36 %

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21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	10 mV to 100 mV	1 % to 0.21 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	100 mV to 1 V	0.21 % to 0.46 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Digital Multifunction Calibrator By Direct method	100 V to 1000 V	0.36 % to 0.22 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter By Direct method	1 mA to 100 mA	0.067%
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter By Direct method	10 µA to 100 µA	0.8 % to 0.1 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter By Direct method	100 µA to 1 mA	0.1%

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27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter By Direct method	100 mA to 10 A	0.06 % to 0.03 %
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Prove with 4½ Digit Multimeter By Direct method	1 kV to 5 kV	3%
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter By Direct method	1 mV to 100 mV	0.42 % to 0.017 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter By Direct method	100 mV to 1000 V	0.017 % to 0.04 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance 2 Wire	Using 6½ Digit Multimeter By Direct method	100 Mohm to 1 Gohm	2.9%
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance 4 Wire	Using 6½ Digit Multimeter By Direct method	1 ohm to 100 Mohm	0.36 % to 2.9 %

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33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Digital Multifunction Calibrator By Direct method	1 A to 10 A	0.25 % to 0.24 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Digital Multifunction Calibrator By Direct method	1 mA to 2 mA	0.06 % to 0.22 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Digital Multifunction Calibrator With Current Coil By Direct method	10 A to 1000 A	0.82%
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Digital Multifunction Calibrator By Direct method	2 mA to 1000 mA	0.25%
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 wire	Using Resistance Box By Direct method	900 kohm to 900 Mohm	1.16 % to 2.5 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using Std. Resistance Box By Direct method	1 mohm	3.5%

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39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using Resistance Box By Direct method	1 ohm to 900 kohm	0.5 % to 1.16 %
40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Digital Multifunction Calibrator By Direct method	0.2 V to 20 V	0.18 % to 0.12 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Digital Multifunction Calibrator By Direct method	1 mV to 20 mV	1.4 % to 0.18 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Digital Multifunction Calibrator By Direct method	20 mV to 200 mV	0.18%
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Digital Multifunction Calibrator By Direct method	20 V to 1000 V	0.12 % to 0.13 %
44	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	600 °C to 1800 °C	2.3°C

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45	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	-200 °C to 1000 °C	0.93°C
46	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	-200 °C to 1200 °C	0.84°C
47	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	-200 °C to 1300 °C	1.22°C
48	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	-200 °C to 1300 °C	1.1°C
49	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	0 to 1750 °C	1.26°C
50	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD Simulator	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	-190 °C to 800 °C	0.81°C

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51	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	0 to 1750 °C	1.26°C
52	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T type Thermocouple	Using precision Calibrator/ 6½ Digit Multimeter By Direct method	0 °C to 400 °C	0.92°C
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	600 °C to 1800 °C	2.3°C
54	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	-200 °C to 1000 °C	0.93°C
55	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	-200 °C to 1200 °C	0.84°C
56	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	-190 °C to 1300 °C	1.1°C

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57	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	-200 °C to 1300 °C	1.1°C
58	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	0 to 1750 °C	1.4°C
59	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD Indicator	Using precision Calibrator/ RTD Source By Direct method	-190 °C to 790 °C	0.87°C
60	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	0 to 1750 °C	1.4°C
61	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using precision Calibrator/ Digital Multifunction Calibrator By Direct method	0 °C to 400 °C	0.85°C
62	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter By Direct method	10 Hz to 100 kHz	0.59 % to 0.01 %

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63	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital time Calibrator By Comparison method	1 s to 9999 s	1 % to 0.6 %
64	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Digital Multifunction Calibrator By Direct method	45 Hz to 1 kHz	0.5 % to 0.2 %
65	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic pressure: Analog/Digital Pressure gauge , Pressure Transmitters/Pressure Switch/Pressure Transducer/Pressure Controller/Pressure Indicator	Digital Pressure Gauge using Hydraulic Pressure Comparator, Digital Multimeter by Comparison Method as per DKD-R 6-1	0 to 70 bar	0.12bar
66	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic pressure: Analog/Digital Pressure gauge , Pressure Transmitters/Pressure Switch/Pressure Transducer/Pressure Controller/Pressure Indicator	Digital Pressure Gauge using Hydraulic Pressure Comparator, Digital Multimeter by Comparison Method as per DKD-R 6-1	0 to 700 bar	0.39bar

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67	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic pressure: Analog/Digital Pressure gauge , Pressure Transmitters/Pressure Switch/Pressure Transducer/Pressure Controller/Pressure Indicator	Digital Pressure Gauge using Pneumatic Pressure Comparator, Digital Multimeter by Comparison Method as per DKD-R 6-1	0 to 7 bar	0.005bar
68	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Pneumatic Digital/ Analog Vacuum Gauge, Pressure Transmitter/Pressure Transducer	Digital Pressure Gauge using Pneumatic Pressure pump ,Digital Multimeter by Comparison Method as per DKD-R 6-1	-0.90 bar to 0	0.001bar

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