



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AKB PRIME CALIBRATION AND INSTRUMENTATION LABS LLP, PLOT NO. 45,
YAGDUTT NAGAR, 1ST NIWARU ROAD, JHOTAWARA, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 24/01/2025 to 23/01/2029 **Last Amended on** 11/02/2026

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 Voltage @ 50 Hz	Using 6½ Digit Multimeter By Direct Method	100 mV to 750 V	0.12 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter By Direct Method	100 mA to 10 A	0.5 % to 0.8 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter By Direct Method	20 µA to 100 mA	1.5 % to 0.5 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter By Direct Method	10 mV to 100 mV	1.3 % to 0.12 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator By Direct Method	0.2 mA to 1 A	0.7 % to 0.20 %



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6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator By Direct Method	1 A to 10 A	0.20 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multifunction Calibrator By Direct Method	10 mV to 200 mV	0.7 % to 0.21 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multifunction Calibrator By Direct Method	200 mV to 1000 V	0.21 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box By Direct Method	100 pF to 100 µF	1.2 % to 1.16 %
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box By Direct Method	100 µH to 10 H	1.17 %
11	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter By Direct Method	100 mA to 10 A	0.32 % to 0.5 %



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12	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter By Direct Method	20 µA to 100 mA	1.1 % to 0.32 %
13	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance (2 wire)	Using 6½ Digit Multimeter By Direct Method	1 ohm to 100 ohm	0.69 % to 0.11 %
14	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance (2 wire)	Using 6½ Digit Multimeter By Direct Method	10 Mohm to 100 Mohm	0.25 % to 0.95 %
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance (2 wire)	Using 6½ Digit Multimeter By Direct Method	100 ohm to 10 Mohm	0.11 % to 0.25 %
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance - 4 wire	Using 6½ Digit Multimeter & Multi Function Calibrator by VI Method	1 mohm to 1 ohm	0.12 % to 0.06 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance - 4 wire	Using 6½ Digit Multimeter & Multi Function Calibrator by VI Method	100 µohm	0.61 %



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18	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter By Direct Method	1 mV to 10 mV	0.63 % to 0.3 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter By Direct Method	10 mV to 100 mV	0.3 % to 0.012 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter By Direct Method	100 mV to 1000 V	0.012 % to 0.15 %
21	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator By Direct Method	0.2 mA to 1 A	1.2 % to 0.21 %
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator By Direct Method	1 A to 10 A	0.21 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Decade Resistance Box By Direct Method	1 ohm to 10 ohm	0.5 % to 0.25 %



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24	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Decade Resistance Box By Direct Method	10 ohm to 100 ohm	0.25 % to 0.17 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Decade Resistance Box By Direct Method	100 Mohm to 1000 Mohm	0.57 % to 1.9 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Decade Resistance Box By Direct Method	100 ohm to 100 Mohm	0.17 % to 0.57 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 1000 V	Using High Resistance Box By Direct Method	1 Gohm	3.4 %
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 1000 V	Using High Resistance Box By Direct Method	10 Gohm	3.4 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 1000 V	Using High Resistance Box By Direct Method	100 Gohm	3.4 %



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30	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 1000 V	Using High Resistance Box By Direct Method:	1000 Gohm	5.55 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 1000 V	Using High Resistance Box By Direct Method	200 Gohm	3.4 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 1000 V	Using High Resistance Box By Direct Method	500 Gohm	3.8 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 500 V	Using High Resistance Box By Direct Method	1 Gohm	3.4 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 500 V	Using High Resistance Box By Direct Method	10 Gohm	3.4 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 500 V	Using High Resistance Box By Direct Method:	100 Gohm	3.4 %



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36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 500 V	Using High Resistance Box By Direct Method	1000 Gohm	10.3 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 500 V	Using High Resistance Box By Direct Method	200 Gohm	3.4 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 500 V	Using High Resistance Box By Direct Method	500 Gohm	5.6 %
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Standard Resistance Box By Direct Method	0.1 mohm	0.15 %
40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Standard Resistance Box By Direct Method	1 mohm	0.15 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Standard Resistance Box By Direct Method	1 ohm	0.15 %



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42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Standard Resistance Box By Direct Method	10 mohm	0.15 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Standard Resistance Box By Direct Method	100 mohm	0.15 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance - 2 wire	Using Standard Resistance Box By Direct Method	1 ohm to 10 kohm	0.15 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator By Direct Method	1 mV to 10 mV	0.20 %
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator By Direct Method	10 mV to 200 mV	0.20 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator By Direct Method	200 mV to 1000 V	0.20 %



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48	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD Type PT 100	Using Universal Calibrator By Direct Method	(-)-160 °C to 600 °C	0.51 °C
49	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - J type	Using Universal Calibrator By Direct Method	(-)-200 °C to 1200 °C	0.6 °C
50	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - R Type	Using Universal Calibrator By Direct Method	50 °C to 1700 °C	0.88 °C
51	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - B Type	Using Universal Calibrator By Direct Method	450 °C to 1800 °C	0.8 °C
52	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - E Type	Using Universal Calibrator By Direct Method	(-)-200 °C to 1000 °C	0.68 °C
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - K Type	Using Universal Calibrator By Direct Method	(-)-200 °C to 1200 °C	0.6 °C



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54	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - N Type	Using Universal Calibrator By Direct Method	(-)200 °C to 1300 °C	0.6 °C
55	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - S Type	Using Universal Calibrator By Direct Method	50 °C to 1700 °C	0.79 °C
56	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - T Type	Using Universal Calibrator By Direct Method	(-)200 °C to 400 °C	0.81 °C
57	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD Type PT100	Using Universal Calibrator By Direct Method	(-)160 °C to 600 °C	0.76 °C
58	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B- Type Thermocouple	Using Universal Calibrator By Direct Method	0 °C to 1800 °C	0.96 °C
59	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - N Type	Using Universal Calibrator By Direct Method	(-)200 °C to 1300 °C	0.81 °C



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60	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - E Type	Using Universal Calibrator By Direct Method	(-)200 °C to 1000 °C	0.85 °C
61	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - J Type	Using Universal Calibrator By Direct Method	(-)200 °C to 1200 °C	0.74 °C
62	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - K Type	Using Universal Calibrator By Direct Method	(-)200 °C to 1300 °C	0.81 °C
63	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - R Type	Using Universal Calibrator By Direct Method	0 °C to 1700 °C	1.1 °C
64	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - S Type	Using Universal Calibrator By Direct Method	0 °C to 1750 °C	0.97 °C
65	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - T Type	Using Universal Calibrator By Direct Method	(-)200 °C to 400 °C	1.04 °C



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66	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter By Direct Method	45 Hz to 1 kHz	0.58 %
67	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator By Direct Method	1 s to 60 s	0.075 s to 3.5 s
68	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator By Direct Method	60 s to 86400 s	3.5 s
69	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction Calibrator By Direct Method	45 Hz to 1000 Hz	0.3 %
70	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge (L.C.: 0.01 mm)	Using Slip Gauge Set By Direct Method	0 to 12.5 mm	5.9 µm



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71	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Elongation Gauge	Using Digital Caliper By Direct method	14.7 mm to 81 mm	37.4 µm
72	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Digital Micrometer By Comparison Method	0.05 mm to 1 mm	3.7 µm
73	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer (L.C.: 0.001 mm)	Using Gauge Block Set, Caliper Checker With Accessories By Direct Method	0 to 75 mm	8.6 µm
74	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Metric Steel Scale / Measuring Scale (L.C.: 1 mm / 0.5 mm)	Using Measuring Scale & Tape Calibrator By Direct method	0 to 1000 mm	(121 * (L) µm), Where L is in meter
75	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Penetrometer (L.C.: 0.1 mm)	Using Slip Gauge Set By Direct Method	0 to 40 mm	68.5 µm



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76	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper (L.C.: 0.1 mm and coarser)	Using Slip Gauge Set By Direct Method	0 to 150 mm	71.2 µm
77	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge - Transmission Error (L.C.: 0.001 mm)	Using Dial Calibration Tester By Comparison Method	Up to 2 mm	1.9 µm
78	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Vernier / Dial / Digital (L.C.: 0.01 mm & Coarser)	Using Caliper Checker, Slip Gauge Set By Comparison Method	0 to 150 mm	11.8 µm
79	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Vernier / Dial / Digital (L.C.: 0.01 mm & Coarser)	Using Caliper Checker / Slip Gauge Set By Comparison Method	0 to 300 mm	12 µm
80	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Vernier / Dial / Digital (L.C.: 0.01 mm & Coarser)	Using Caliper Checker, Slip Gauge Set By Comparison Method	0 to 600 mm	13.5 µm



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81	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Chamfer Gauge / Weld fillet Gauge / Hi-Lo Gauge / Bridge Cam Gauge - Angle (L.C.: 5 Degree)	Using Profile Projector By Direct Method	0° to 60°	34.7 arc minute
82	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Chamfer Gauge / Weld fillet Gauge / Hi-Lo Gauge / Bridge Cam Gauge Length (L.C.: 0.5 mm)	Using Profile Projector By Direct Method	0 to 60 mm	82.1 µm
83	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 0.1 µm)	Using Standard Foil By Direct Method	8.9 µm to 123.2 µm	1.3 µm
84	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 10 µm)	Using Standard Foil By Direct Method	123.2 µm to 924.4 µm	5.9 µm
85	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Combination Set (L.C.: 1 minute)	Using Angle Gauge Set By Comparison Method	0° to 360°	18.7 arc minute



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86	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cube Mould (Length, Width & Height)	Using Digital Caliper By Direct method	10 mm to 150 mm	37 µm
87	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Gauge - Vernier / Dial / Digital (L.C.: 0.01 mm & Coarser)	Using Caliper Checker / Slip Gauge Set By Comparison Method	0 to 300 mm	14.8 µm
88	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Indicator / Dial Gauge - Analog / Dial / Digital (L.C.: 0.001 mm)	Using Dial Calibration Tester By Comparison Method	0 to 12 mm	2.4 µm
89	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Indicator / Dial Gauge - Analogue / Dial / Digital (L.C.: 0.01 mm)	Using Dial Calibration Tester & Slip Gauge Set By Direct Method	0 to 50 mm	8 µm
90	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Slip Gauge Block Set, Slip Gauge Accessories, Optical Parallel Set By Direct Method	0 to 25 mm	1.2 µm



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91	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.01 mm)	Using Slip Gauge Block Set, Slip Gauge Accessories, Optical Parallel Set By Direct Method	25 mm to 100 mm	5.8 µm
92	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Flakiness Gauge	Using Digital Caliper By Direct Method	4.89 mm to 33.9 mm	33 µm
93	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Vernier / Dial / Digital (L.C.: 0.02 mm & Coarser)	Using Caliper Checker, Slip Gauge Set By Comparison Method	0 to 600 mm	16.2 µm
94	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge - Vernier / Dial / Digital (L.C.: 0.02 mm and coarser)	Using Caliper Checker / Slip Gauge Set By Comparison Method	0 to 300 mm	14.9 µm
95	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	LVDT Probe, Electronic Probe With Indicator (L.C.: 0.01 mm)	Using Slip Gauge Block Set With Comparator Stand By Direct Method	0 to 25 mm	13 µm



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96	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Tape (L.C.: 0.5 mm / 1 mm)	Using Measuring Scale & Tape Calibrator By Direct method	0 to 50 m	(119 * Sqrt (L)) µm, Where L is in meter
97	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Microscope (Magnification)	Using Glass Scale & Digital Caliper By Comparison Method	10 X to 1000 X	0.2 %
98	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Microscope / Eye Piece / Brinell Microscope - Linear Scale (L.C.: 0.01 mm)	Using Glass Scale By Direct Method	0 to 7 mm	11 µm
99	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Moulds (Diameter)	Using Digital Caliper By Direct Method	10 mm to 150 mm	40 µm
100	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Moulds (Height)	Using Digital Caliper By Direct Method	10 mm to 250 mm	40 µm



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101	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pie Tape (L.C. : 0.5 mm / 1 mm)	Using Measuring Scale & Tape Calibrator By Direct Method	Up to 2 m	(119 * Sqrt (L)) µm, Where L is in metre
102	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pitch Gauge - Pitch Length	Using Profile Projector By Direct Method	0.2 mm to 6 mm	7.4 µm
103	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pitch Gauge Flank Angle	Using Profile Projector By Direct Method	55° to 60°	9.1 arc minute
104	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Puppy Dial / Lever Dial (L.C.: 0.01 mm)	Using Dial Calibration Tester By Comparison Method	0 to 1 mm	3.6 µm
105	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge	Using Profile Projector By Direct Method	0.2 mm to 20 mm	8.9 µm



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106	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Slump Cone (Diameter)	Using Digital Caliper By Direct method	10 mm to 300 mm	42.3 µm
107	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Slump Cone (Height)	Using Digital Caliper By Direct Method	10 mm to 300 mm	40 µm
108	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge	Using Slip Gauge Set By Direct Method	3 mm to 200 mm	2.6 µm
109	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Scale (L.C.: 0.1 mm)	Using Profile Projector By Direct Method	0.1 mm to 15 mm	24.4 µm
110	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test sieves	Using Profile Projector By Direct Method	10 µm to 5 mm	10.2 µm



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111	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Digital Caliper By Direct Method	5 mm to 125 mm	21 µm
112	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Wire Gauge	Using Profile Projector By Direct Method	0.19 mm to 7.82 mm	6.4 µm
113	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector (Magnification)	Using Gauge Block / Glass Scale / Digital Caliper By Direct Method	10 X to 100 X	0.3 %
114	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Angular (L.C.: 1 second)	Using Angle Gauge By Direct Method	0° to 360°	25 arc second
115	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Linear Scale (L.C.: 0.001 mm)	Using Glass Scale & Gauge Block By Direct Method	0 to 200 mm	6.6 µm
116	MECHANICAL-DUROMETER	Durometer / Rubber Hardness Tester (Shore - C, D, DO)	Using Dial Calibration Tester by Depth Indentation Method As Per ISO 48-9	10 to 100 Shore	0.7 Shore



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117	MECHANICAL-DUROMETER	Durometer / Rubber Hardness Tester (Shore- A, B, E, O)	Using Dial Calibration Tester By Depth Indentation Method As Per ISO 48-9	10 to 100 Shore	0.7 Shore
118	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Hydraulic - Dial / Digital Pressure Gauge, Pressure Transmitter / Transducer	Using Digital Pressure Gauge, Universal Calibrator With Hydraulic Pump By Comparison Method As Per DKD R 6-1	0 to 70 bar	0.05 bar
119	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Hydraulic - Dial / Digital Pressure Gauge, Pressure Transmitter / Transducer	Using Digital Pressure Gauge, Universal Calibrator With Hydraulic Pump By Comparison Method As Per DKD R 6-1	0 to 700 bar	0.66 bar
120	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Pneumatic - Dial / Digital Pressure, Vacuum Gauge, Pressure Transmitter / Transducer, Compound Gauge	Using Digital Pressure Gauge, Universal Calibrator With Pneumatic Pump By Comparison Method As Per DKD R 6-1	(-)0.9 bar to 0 bar	0.009 bar



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121	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Pneumatic - Dial and Digital Pressure Pressure Transmitter / Transducer	Using Digital Pressure Gauge, Universal Calibrator With Pneumatic Pump By Comparison Method As Per DKD R 6-1	0 to 7 bar	0.009 bar
122	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class III and coarser (Readability: 2 g)	Using F1 Class Weights As Per OIML R 76-1	100 g to 60 kg	4.7 g
123	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class I and coarser (Readability: 0.001 mg)	Using E1 Class Weights As Per OIML R 76-1	1 mg to 5.1 g	0.02 mg
124	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class I and coarser (Readability: 0.01 mg)	Using E1 Class Weights As Per OIML R 76-1	1 mg to 80 g	0.12 mg
125	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class I and coarser (Readability: 0.1 mg)	Using E1 Class weights As Per OIML R 76-1	1 mg to 220 g	0.19 mg
126	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class III and coarser (Readability: 1 g)	Using F1 Class Weights As Per OIML R 76-1	50 g to 50 kg	1.5 g



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127	THERMAL-TEMPERATURE	Liquid In Glass Thermometer	Using RTD Sensor With Indicator And Liquid Bath Source By Comparison Method	(-)-40 °C to 50 °C	0.52 °C
128	THERMAL-TEMPERATURE	Liquid In Glass Thermometer	Using RTD Sensor With Indicator And Liquid Bath Source By Comparison Method	50 °C to 250 °C	0.93 °C
129	THERMAL-TEMPERATURE	RTD / Thermocouple With & Without Controller / Indicator / Temperature Gauge, Digital Thermometer, Temperature Transmitter, Data logger / Recorder With Sensor	Using RTD Sensor With Indicator, Universal Calibrator And Dry Block Source By Comparison Method	>50 °C to 300 °C	0.93 °C
130	THERMAL-TEMPERATURE	RTD / Thermocouple With or Without Controller / Indicator, Temperature Gauge, Digital Thermometer, Temperature Transmitter, Data logger / Recorder With Sensor	Using RTD Sensor With Indicator, Universal Calibrator And Liquid Bath Source By Comparison Method	(-)-40 °C to 50 °C	0.52 °C



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131	THERMAL-TEMPERATURE	Thermocouple With or Without Controller / Indicator / Temperature Gauge, Digital Thermometer, Temperature Transmitter, Data Logger / Recorder With Sensor	Using S-Type Thermocouple With Indicator, Universal Calibrator And Dry Block Furnace By Comparison Method	>600 °C to 1200 °C	2.6 °C
132	THERMAL-TEMPERATURE	Thermocouple With or Without Controller / Indicator / Temperature Gauge, Digital Thermometer, Temperature Transmitter, Data logger / Recorder With Sensor	Using S-Type Thermocouple With Indicator, Universal Calibrator And Dry Block Furnace By Comparison Method	>300 °C to 600 °C	2.2 °C



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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter By Direct Method	100 mV to 750 V	0.12 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter By Direct Method	100 mA to 10 A	0.5 % to 0.8 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Multimeter By Direct Method	20 µA to 100 mA	1.5 % to 0.5 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with Digit Multimeter By Direct Method	0.5 kV to 40 kV	3.7 %



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5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Multimeter By Direct Method	10 mV to 100 mV	1.3 % to 0.12 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator By Direct Method	0.2 mA to 1 A	0.7 % to 0.20 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multifunction Calibrator By Direct Method	1 A to 10 A	0.20 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multifunction Calibrator By Direct Method	10 mV to 200 mV	0.7 % to 0.21 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using Multifunction Calibrator By Direct Method	200 mV to 1000 V	0.21 %



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10	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box By Direct Method	100 pF to 100 µF	1.2 % to 1.16 %
11	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box By Direct Method	100 µH to 10 H	1.17 %
12	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter By Direct Method	100 mA to 10 A	0.32 % to 0.5 %
13	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter By Direct Method	20 µA to 100 mA	1.1 % to 0.32 %
14	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with Digit Multimeter By Direct Method	0.5 kV to 5 kV	3.12 %
15	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Resistance (2 wire)	Using 6½ Digit Multimeter By Direct Method	1 ohm to 100 ohm	0.69 % to 0.11 %



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16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance (2 wire)	Using 6½ Digit Multimeter By Direct Method	10 Mohm to 100 Mohm	0.25 % to 0.95 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance (2 wire)	Using 6½ Digit Multimeter By Direct Method	100 ohm to 10 Mohm	0.11 % to 0.25 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance - 4 wire	Using 6½ Digit Multimeter & Multi Function Calibrator by VI Method	1 mohm to 1 ohm	0.12 % to 0.06 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance - 4 wire	Using 6½ Digit Multimeter & Multi Function Calibrator by VI Method	100 µohm	0.61 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter By Direct Method	1 mV to 10 mV	0.63 % to 0.3 %
21	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter By Direct Method	10 mV to 100 mV	0.3 % to 0.012 %



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22	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Multimeter By Direct Method	100 mV to 1000 V	0.012 % to 0.15 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator By Direct Method	0.2 mA to 1 A	1.2 % to 0.21 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multifunction Calibrator By Direct Method	1 A to 10 A	0.21 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Decade Resistance Box By Direct Method	1 ohm to 10 ohm	0.5 % to 0.25 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Decade Resistance Box By Direct Method	10 ohm to 100 ohm	0.25 % to 0.17 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Decade Resistance Box By Direct Method	100 Mohm to 1000 Mohm	0.57 % to 1.9 %



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28	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire)	Using Decade Resistance Box By Direct Method	100 ohm to 100 Mohm	0.17 % to 0.57 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 1000 V	Using High Resistance Box By Direct Method	1 Gohm	3.4 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 1000 V	Using High Resistance Box By Direct Method	10 Gohm	3.4 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 1000 V	Using High Resistance Box By Direct Method	100 Gohm	3.4 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 1000 V	Using High Resistance Box By Direct Method:	1000 Gohm	5.55 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 1000 V	Using High Resistance Box By Direct Method	200 Gohm	3.4 %



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34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 1000 V	Using High Resistance Box By Direct Method	500 Gohm	3.8 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 500 V	Using High Resistance Box By Direct Method	1 Gohm	3.4 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 500 V	Using High Resistance Box By Direct Method	10 Gohm	3.4 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 500 V	Using High Resistance Box By Direct Method:	100 Gohm	3.4 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 500 V	Using High Resistance Box By Direct Method	1000 Gohm	10.3 %
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 500 V	Using High Resistance Box By Direct Method	200 Gohm	3.4 %



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40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (2 wire) @ 500 V	Using High Resistance Box By Direct Method	500 Gohm	5.6 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Standard Resistance Box By Direct Method	0.1 mohm	0.15 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Standard Resistance Box By Direct Method	1 mohm	0.15 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Standard Resistance Box By Direct Method	1 ohm	0.15 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Standard Resistance Box By Direct Method	10 mohm	0.15 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance (4 wire)	Using Standard Resistance Box By Direct Method	100 mohm	0.15 %



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46	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance - 2 wire	Using Standard Resistance Box By Direct Method	1 ohm to 10 kohm	0.15 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator By Direct Method	1 mV to 10 mV	0.20 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator By Direct Method	10 mV to 200 mV	0.20 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator By Direct Method	200 mV to 1000 V	0.20 %
50	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD Type PT 100	Using Universal Calibrator By Direct Method	(-)160 °C to 600 °C	0.51 °C
51	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - J type	Using Universal Calibrator By Direct Method	(-)200 °C to 1200 °C	0.6 °C



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52	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - R Type	Using Universal Calibrator By Direct Method	50 °C to 1700 °C	0.88 °C
53	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - B Type	Using Universal Calibrator By Direct Method	450 °C to 1800 °C	0.8 °C
54	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - E Type	Using Universal Calibrator By Direct Method	(-)-200 °C to 1000 °C	0.68 °C
55	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - K Type	Using Universal Calibrator By Direct Method	(-)-200 °C to 1200 °C	0.6 °C
56	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - N Type	Using Universal Calibrator By Direct Method	(-)-200 °C to 1300 °C	0.6 °C
57	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - S Type	Using Universal Calibrator By Direct Method	50 °C to 1700 °C	0.79 °C



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58	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - T Type	Using Universal Calibrator By Direct Method	(-)-200 °C to 400 °C	0.81 °C
59	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD Type PT100	Using Universal Calibrator By Direct Method	(-)-160 °C to 600 °C	0.76 °C
60	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B- Type Thermocouple	Using Universal Calibrator By Direct Method	0 °C to 1800 °C	0.96 °C
61	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - N Type	Using Universal Calibrator By Direct Method	(-)-200 °C to 1300 °C	0.81 °C
62	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - E Type	Using Universal Calibrator By Direct Method	(-)-200 °C to 1000 °C	0.85 °C
63	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - J Type	Using Universal Calibrator By Direct Method	(-)-200 °C to 1200 °C	0.74 °C



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64	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - K Type	Using Universal Calibrator By Direct Method	(-)200 °C to 1300 °C	0.81 °C
65	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - R Type	Using Universal Calibrator By Direct Method	0 °C to 1700 °C	1.1 °C
66	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - S Type	Using Universal Calibrator By Direct Method	0 °C to 1750 °C	0.97 °C
67	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - T Type	Using Universal Calibrator By Direct Method	(-)200 °C to 400 °C	1.04 °C
68	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Multimeter By Direct Method	45 Hz to 1 kHz	0.58 %
69	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator By Direct Method	1 s to 60 s	0.075 s to 3.5 s



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70	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator By Direct Method	60 s to 86400 s	3.5 s
71	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multifunction Calibrator By Direct Method	45 Hz to 1000 Hz	0.3 %
72	MECHANICAL-ACCELERATION AND SPEED	RPM Generator, Centrifuge	Using Digital Tachometer By Comparison Method	101 rpm to 4000 rpm	5.1 rpm
73	MECHANICAL-ACCELERATION AND SPEED	RPM Generator, Centrifuge	Using Digital Tachometer By Comparison Method	50 rpm to 100 rpm	1.5 rpm
74	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Elongation Gauge	Using Digital Caliper By Direct method	14.7 mm to 81 mm	37.4 µm
75	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Flakiness Gauge	Using Digital Caliper By Direct Method	4.89 mm to 33.9 mm	33 µm



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76	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Microscope (Magnification)	Using Glass Scale & Digital Caliper By Comparison Method	10 X to 1000 X	0.2 %
77	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Microscope / Eye Piece / Brinell Microscope - Linear Scale (L.C.: 0.01 mm)	Using Glass Scale By Direct Method	0 to 7 mm	11 µm
78	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector (Magnification)	Using Gauge Block / Glass Scale / Digital Caliper By Direct Method	10 X to 100 X	0.3 %
79	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Angular (L.C.: 1 second)	Using Angle Gauge By Direct Method	0° to 360°	25 arc second
80	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Linear Scale (L.C.: 0.001 mm)	Using Glass Scale & Gauge Block By Direct Method	0 to 200 mm	6.6 µm
81	MECHANICAL-HARDNESS TESTING MACHINES	Verification of Brinell Hardness Testing Machine	Using Standard Hardness Blocks By Indirect Method As Per IS 1500-2 : 2021	HBW 10/3000	1.9 %



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82	MECHANICAL-HARDNESS TESTING MACHINES	Verification of Brinell Hardness Testing Machine	Using Standard Hardness Blocks By Indirect Method As Per IS 1500-2 : 2021	HBW 5/750	1.9 %
83	MECHANICAL-HARDNESS TESTING MACHINES	Verification of Rockwell Hardness Tester / Portable Hardness Tester	Using Standard Hardness Blocks By Indirect Method A Per IS 1586-2 : 2018	HRBW	0.85 HRBW
84	MECHANICAL-HARDNESS TESTING MACHINES	Verification of Rockwell Hardness Tester / Portable Hardness Tester	Using Standard Hardness Blocks By Indirect Method as Per IS 1586-2 : 2018	HRC	0.85 HRC
85	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Hydraulic - Dial / Digital Pressure Gauge, Pressure Transmitter / Transducer	Using Digital Pressure Gauge, Universal Calibrator With Hydraulic Pump By Comparison Method As Per DKD R 6-1	0 to 70 bar	0.05 bar
86	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Hydraulic - Dial / Digital Pressure Gauge, Pressure Transmitter / Transducer	Using Digital Pressure Gauge, Universal Calibrator With Hydraulic Pump By Comparison Method As Per DKD R 6-1	0 to 700 bar	0.66 bar



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87	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Pneumatic - Dial / Digital Pressure, Vacuum Gauge, Pressure Transmitter / Transducer, Compound Gauge	Using Digital Pressure Gauge, Universal Calibrator With Pneumatic Pump By Comparison Method As Per DKD R 6-1	(-)0.9 bar to 0 bar	0.009 bar
88	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Pneumatic - Dial and Digital Pressure Pressure Transmitter / Transducer	Using Digital Pressure Gauge, Universal Calibrator With Pneumatic Pump By Comparison Method As Per DKD R 6-1	0 to 7 bar	0.009 bar
89	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Static Testing Machines - Compression	Using Proving Ring / Load Cell With Display (Class I Accuracy) Based on IS: 1828 -1: 2022	200 N to 2000 kN	0.81 %
90	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Static Testing Machines - Tension	Using Proving Ring / Load Cell With Display (Class I Accuracy) Based on IS: 1828-1 :2022	20 N to 50 kN	0.65 %
91	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class III and coarser (Readability: 2 g)	Using F1 Class Weights As Per OIML R 76-1	100 g to 60 kg	4.7 g



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92	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class I and coarser (Readability: 0.001 mg)	Using E1 Class Weights As Per OIML R 76-1	1 mg to 5.1 g	0.02 mg
93	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class I and coarser (Readability: 0.01 mg)	Using E1 Class Weights As Per OIML R 76-1	1 mg to 80 g	0.12 mg
94	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class I and coarser (Readability: 0.1 mg)	Using E1 Class weights As Per OIML R 76-1	1 mg to 220 g	0.19 mg
95	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class III and coarser (Readability: 1 g)	Using F1 Class Weights As Per OIML R 76-1	50 g to 50 kg	1.5 g
96	THERMAL-TEMPERATURE	Liquid In Glass Thermometer	Using RTD Sensor With Indicator And Liquid Bath Source By Comparison Method	(-)40 °C to 50 °C	0.52 °C
97	THERMAL-TEMPERATURE	Liquid In Glass Thermometer	Using RTD Sensor With Indicator And Liquid Bath Source By Comparison Method	50 °C to 250 °C	0.93 °C



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98	THERMAL-TEMPERATURE	RTD / Thermocouple With & Without Controller / Indicator / Temperature Gauge, Digital Thermometer, Temperature Transmitter, Data logger / Recorder With Sensor	Using RTD Sensor With Indicator, Universal Calibrator And Dry Block Source By Comparison Method	>50 °C to 300 °C	0.93 °C
99	THERMAL-TEMPERATURE	RTD / Thermocouple With or Without Controller / Indicator, Temperature Gauge, Digital Thermometer, Temperature Transmitter, Data logger / Recorder With Sensor	Using RTD Sensor With Indicator, Universal Calibrator And Liquid Bath Source By Comparison Method	(-)40 °C to 50 °C	0.52 °C
100	THERMAL-TEMPERATURE	Temperature Indicator With Sensor Of BOD Incubator, Incubator, Curing Tank Single Position (Non Medical Purpose)	Using RTD Sensor With Indicator By Comparison Method	25 °C to 60 °C	0.45 °C



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101	THERMAL-TEMPERATURE	Temperature Indicator With Sensor Of Deep Freezer, Cold Chamber, Freezer (Single Position)	Using RTD Sensor With Indicator By Comparison Method	(-)40 °C to 30 °C	0.45 °C
102	THERMAL-TEMPERATURE	Temperature Indicator With Sensor Of Furnace (Single Position)	Using S-Type Thermocouple With Indicator By Comparison Method	650 °C to 1200 °C	2.7 °C
103	THERMAL-TEMPERATURE	Temperature Indicator With Sensor Of Furnace (Single Position)	Using S-Type Thermocouple With Indicator By Comparison Method	50 °C to 650 °C	2.2 °C
104	THERMAL-TEMPERATURE	Temperature Indicator With Sensor Of Liquid Bath, Water Bath, Annealing Tank, Thawing Bath, Oil Bath, Viscosity Bath, Dry Block Furnace, Low Temperature Bath, Constant Temp. Bath (Single Position)	Using RTD Sensor With Indicator By Comparison Method	30 °C to 250 °C	0.90 °C



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105	THERMAL-TEMPERATURE	Temperature Indicator With Sensor Of Oven, Thermal Stability Test Apparatus, Melt Flow Index Test Apparatus, Hot Set Test App, Ageing Oven, Liquid Bath (Single Position)	Using RTD Sensor With Indicator By Comparison Method	25 °C to 250 °C	0.90 °C
106	THERMAL-TEMPERATURE	Thermocouple With or Without Controller / Indicator / Temperature Gauge, Digital Thermometer, Temperature Transmitter, Data Logger / Recorder With Sensor	Using S-Type Thermocouple With Indicator, Universal Calibrator And Dry Block Furnace By Comparison Method	>600 °C to 1200 °C	2.6 °C
107	THERMAL-TEMPERATURE	Thermocouple With or Without Controller / Indicator / Temperature Gauge, Digital Thermometer, Temperature Transmitter, Data logger / Recorder With Sensor	Using S-Type Thermocouple With Indicator, Universal Calibrator And Dry Block Furnace By Comparison Method	>300 °C to 600 °C	2.2 °C



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

