



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

SCHALTEK TECHNICAL SERVICES PRIVATE LIMITED, 1ST FLOOR, II/621,
622, HIM BUILDING, KARIMUGAL, ERNAKULAM, KERALA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3826

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Validity

02/02/2026 to 01/02/2030

Last Amended on 24/02/2026

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 Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	30 µA to 10 A	0.42 % to 0.51 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with Digital Multimeter by Direct Method	0.5 kV to 28 kV	6.41 % to 6.69 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	10 mV to 750 V	0.12 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz	Using 5½ Digit Multifunction Calibrator by Direct Method	0.2 mA to 10 A	3.26 % to 0.22 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using 5½ Digit Multifunction Calibrator by Direct Method	0.2 mA to 10 A	3.26 % to 0.22 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC High Current @ 50 Hz	Using 5½ Digit Multifunction Calibrator With 100 Turn Current Coil by Direct Method	>10 A to 1000 A	1.92 % to 0.98 %



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7	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using 5½ Digit Multifunction Calibrator by Direct Method	10 mV to 1000 V	0.35 % to 0.19 %
8	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using 5½ Digit Multifunction Calibrator by Direct Method	10 mV to 1000 V	0.35 % to 0.19 %
9	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	1 nF to 100 µF	1.16 %
10	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box by Direct Method	10 µH to 10 H	1.86 % to 1.16 %
11	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Capacitance	Using 6½ Digit Digital Multimeter by Direct Method	1 nF to 100 µF	7.44 % to 3.63 %
12	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	10 µA to 10 A	0.10 % to 0.19 %
13	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with Digital Multimeter by Direct Method	0.5 kV to 40 kV	2.92 % to 3.56 %



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14	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Digital Multimeter by Direct Method	1 mV to 1000 V	0.48 % to 0.0063 %
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digit Digital Multimeter by Direct Method	100 kohm to 100 Mohm	0.18 % to 0.95 %
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digit Digital Multimeter by Direct Method	1 Ohm to 100 kohm	0.48 % to 0.95 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5½ Digit Multifunction Calibrator by Direct Method	0.1 mA to 10 A	6.11 % to 0.15 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Current	Using 5½ Digit Multifunction Calibrator With 100 Turn Current Coil by Direct Method	>10 A to 1000 A	1.91 % to 1 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5½ Digit Multifunction Calibrator by Direct Method	1 mV to 1000 V	1.28 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	1 kohm to 1000 Mohm	0.12 % to 0.61 %



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21	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	1 Ohm to 1 kohm	0.25 % to 0.12 %
22	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	600 °C to 1800 °C	1.16 °C
23	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	(-)200 °C to 1000 °C	0.36 °C
24	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	(-)200 °C to 1200 °C	0.36 °C
25	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	(-)200 °C to 1350 °C	0.48 °C
26	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	(-)200 °C to 1300 °C	0.48 °C
27	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	10 °C to 1750 °C	0.94 °C



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28	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (Pt 100)	Direct Method By Using Multifunction Process Calibrator	(-)200 °C to 800 °C	0.35 °C
29	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	10 °C to 1750 °C	0.94 °C
30	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	(-)200 °C to 400 °C	0.36 °C
31	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	600 °C to 1800 °C	1.16 °C
32	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	(-)200 °C to 1000 °C	0.32 °C
33	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	(-)200 °C to 1200 °C	0.36 °C
34	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	(-)200 °C to 1350 °C	0.48 °C



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35	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	(-)200 °C to 1300 °C	0.48 °C
36	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	10 °C to 1750 °C	0.94 °C
37	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (Pt 100)	Using Multifunction Process Calibrator by Direct Method	(-)200 °C to 800 °C	0.41 °C
38	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	10 °C to 1750 °C	0.94 °C
39	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	(-)200 °C to 400 °C	0.38 °C
40	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Digital Multimeter by Direct Method	10 Hz to 1 MHz	0.06 % to 0.12 %
41	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	10 s to 1800 s	0.58 s



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42	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	1800 s to 36000 s	0.98 s
43	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using 5½ Digit Multifunction Calibrator by Direct Method	45 Hz to 1000 Hz	0.31 % to 0.06 %
44	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM Calibrator, RPM Source, RPM Indicator- Non Contact type	Using Digital Tachometer By Comparison Method	100 rpm to 1000 rpm	3.68 rpm
45	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM Calibrator, RPM Source, RPM Indicator- Non Contact type	Using Digital Tachometer By Comparison Method	1000 rpm to 10000 rpm	8.5 rpm
46	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM Calibrator, RPM Source, RPM Indicator- Non Contact type	Using Digital Tachometer By Comparison Method	10000 rpm to 20000 rpm	10.79 rpm
47	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM Calibrator, RPM Source, RPM Indicator- Non Contact type	Using Digital Tachometer By Comparison Method	20000 rpm to 90000 rpm	17.40 rpm
48	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM Calibrator, RPM Source, RPM Indicator- Non Contact type	Using Digital Tachometer By Comparison Method	50 rpm to 100 rpm	3.62 rpm



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49	MECHANICAL-ACCELERATION AND SPEED	Tachometer - Contact type	Using Digital Tachometer and Tachometer Calibrator By Comparison Method	10 rpm to 100 rpm	0.92 rpm
50	MECHANICAL-ACCELERATION AND SPEED	Tachometer - Contact type	Using Digital Tachometer and Tachometer Calibrator By Comparison Method	100 rpm to 1000 rpm	4.97 rpm
51	MECHANICAL-ACCELERATION AND SPEED	Tachometer - Contact type	Using Digital Tachometer and Tachometer Calibrator By Comparison Method	1000 rpm to 5000 rpm	8.2 rpm
52	MECHANICAL-ACCELERATION AND SPEED	Tachometer - Contact type	Using Digital Tachometer and Tachometer Calibrator By Comparison Method	5000 rpm to 9000 rpm	13.8 rpm
53	MECHANICAL-ACCELERATION AND SPEED	Tachometer, Stroboscope - Non Contact type	Using Digital Tachometer and Tachometer Calibrator By Comparison Method	1000 rpm to 10000 rpm	8.3 rpm
54	MECHANICAL-ACCELERATION AND SPEED	Tachometer, Stroboscope - Non Contact type	Using Digital Tachometer and Tachometer Calibrator By Comparison Method	10000 rpm to 50000 rpm	12.11 rpm
55	MECHANICAL-ACCELERATION AND SPEED	Tachometer, Stroboscope - Non Contact type	Using Digital Tachometer and Tachometer Calibrator By Comparison Method	50 rpm to 1000 rpm	3.69 rpm



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56	MECHANICAL-ACCELERATION AND SPEED	Tachometer, Stroboscope - Non Contact type	Using Digital Tachometer and Tachometer Calibrator By Comparison Method	50000 rpm to 99950 rpm	17.9 rpm
57	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Direct Method	114 dB	1.2 dB
58	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound Level Calibrator by Direct Method	94 dB	1.1 dB
59	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper (Vernier/Digital/Dial) (L.C.: 0.01 mm)	Using Caliper Checker & Gauge Blocks By Comparison Method	0 to 600 mm	10.4 µm
60	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 0.1 µm)	Using Standard Foils By Comparison Method	0.01 mm to 0.05 mm	1.4 µm
61	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C.: 1 µm)	Using Standard Foils By Comparison Method	0.247 mm to 2.05 mm	11.7 µm
62	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Analog/Digital/Dial) (L.C.: 0.001 mm)	Using Gauge Blocks by Comparison Method	0 to 100 mm	1.3 µm



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63	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (Analog/Digital/Dial) (L.C.: 0.01 mm)	Using Caliper Checker and Surface Plate By Comparison Method	0 to 600 mm	14.9 µm
64	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale/Steel Scale/Shrinkage Scale (L.C.: 0.5 mm / 1 mm)	Using Tape & Scale Calibrator by Comparison Method	0 to 2000 mm	289.9 µm
65	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Tape (Metallic Glass Fiber/Steel/Woven), Pie Tape (L.C.: 1 mm)	Using Tape & Scale Calibrator by Comparison Method	0 to 50 m	456.3 X (Sqrt. L/1000) µm where L is in mm
66	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Gauge (Dial/Digital) (L.C.: 0.001 mm)	Using Gauge Blocks By Comparison Method	0 to 12 mm	1.1 µm
67	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ultrasonic Thickness Gauge (L.C.: 0.1 mm)	Using Gauge Blocks by Comparison Method	0 to 100 mm	66.7 µm
68	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital Pressure Gauge, Compound Gauges, Pressure Indicators, Pressure Switches, Pressure Transducer/Transmitter (Pneumatic)	Using Digital Pressure Gauge, Digital Multimeter and Pneumatic Pressure Comparator as per DKD R 6-1 by Comparison Method	0 to 2 bar	0.002 bar

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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69	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital Pressure Gauge, Compound Gauges, Pressure Switch, Pressure Transducer / Transmitter (Pneumatic)	Using Digital Pressure Gauge, Digital Multimeter and Pneumatic Pressure Comparator as per DKD R 6-1 by Comparison Method	0 to 35 bar	0.014 bar
70	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital Pressure Gauge, Pressure Transducer/Transmitter (Hydraulic)	Using Digital Pressure Gauge, Digital Multimeter and Hydraulic Pressure Comparator as per the DKD R 6-1 by Comparison Method	0 to 700 bar	0.27 bar
71	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital Vacuum Gauge, Compound Gauge, Pressure Transducer / Transmitter	Using Digital Pressure Gauge, Digital Multimeter and Pneumatic Pressure Comparator as per the DKD R 6-1 by Comparison Method	(-)0.85 bar to 0	0.0057 bar
72	MECHANICAL-PRESSURE INDICATING DEVICES	Magnehelic Gauge / Differential Pressure Gauge, Manometer ,Pressure Transducer/Transmitter(Pneumatic)	Using Digital Manometer, Digital Multimeter and Pneumatic Pump as per DKD R 6-1 by Comparison Method	0 to 200 mbar	0.22 mbar
73	MECHANICAL-PRESSURE INDICATING DEVICES	Magnehelic Gauge / Differential Pressure Gauge, Manometer, Pressure Transducer/Transmitter (Pneumatic)	Using Digital Manometer, Digital Multimeter and Pneumatic Pump as per DKD R 6-1 by Comparison Method	(-)2000 Pa to 0	1.44 Pa



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74	MECHANICAL-PRESSURE INDICATING DEVICES	Magnehelic Gauge / Differential Pressure Gauge, Manometer, Pressure Transducer/Transmitter (Pneumatic)	Using Digital Manometer, Digital Multimeter and Pneumatic Pump as per DKD R 6-1 by Comparison Method	0 to (-)100 mbar	0.16 mbar
75	MECHANICAL-PRESSURE INDICATING DEVICES	Magnehelic Gauge / Differential Pressure Gauge, Manometer, Transducer/Transmitter (Pneumatic)	Using Digital Manometer, Digital Multimeter and Pneumatic Pump as per DKD R 6-1 by Comparison Method	0 to 2000 Pa	1.95 Pa
76	MECHANICAL-VOLUME	Glass Pipette (Graduated / Non Graduated) and Glass Burette Measuring Cylinder / Beaker / Flask / Measuring Jar/Dispenser	Using Digital Balance (readability : 0.01 / 0.1 mg) with Distilled Water of Known Density by Gravimetric method as per ISO 4787:2021	10 ml to 50 ml	0.06 ml
77	MECHANICAL-VOLUME	Glass Pipette (Graduated / Non Graduated) and Glass Burette / Measuring Cylinder / Beaker / Flask / Measuring Jar/Dispenser	Using Digital Balance (readability : 0.01 mg / 0.1 mg) with Distilled Water of Known Density by Gravimetric method as per ISO 4787:2021	0.1 ml to 10 ml	0.01 ml
78	MECHANICAL-VOLUME	Glass Pipette (Graduated / Non Graduated) and Glass Burette / Measuring Cylinder / Beaker / Flask / Measuring Jar/Dispenser	Using Digital Balance (readability : 0.01 mg / 0.1 mg) with Distilled Water of Known Density by Gravimetric method as per ISO 4787:2021	50 ml to 100 ml	0.06 ml



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79	MECHANICAL-VOLUME	Measuring Cylinder / Beaker / Volumetric Flask / Measuring Jar	Using Precision Balance (readability : 10 mg) with Distilled Water of Known Density by Gravimetric method as per ISO 4787:2021	1000 ml to 2000 ml	0.9 ml
80	MECHANICAL-VOLUME	Measuring Cylinder / Beaker / Volumetric Flask / Measuring Jar	Using Precision Balance (readability : 10 mg / 100 mg) with Distilled Water of Known Density by Gravimetric method as per ISO 4787:2021	2000 ml to 5000 ml	1.5 ml
81	MECHANICAL-VOLUME	Measuring Cylinder / Beaker / Volumetric Flask / Measuring Jar/Dispenser	Using Digital Balance (readability : 1 mg / 10 mg) with Distilled Water of Known Density by Gravimetric method as per ISO 4787:2021	100 ml to 1000 ml	0.58 ml
82	MECHANICAL-VOLUME	Piston Pipette (Micro Pipette)	Using Digital Balance (readability: 0.01 mg / 0.1 mg) Precision Balance by Gravimetric method as per ISO 8655 - 6:2022	100 µl to 1000 µl	0.64 µl
83	MECHANICAL-VOLUME	Piston Pipette (Micro Pipette)	Using Digital Balance (readability : 0.01 mg / 0.1 mg) Precision balance by Gravimetric method as per ISO 8655-6:2022	5000 µl to 10000 µl	1.34 µl



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84	MECHANICAL-VOLUME	Piston Pipette (Micro Pipette)	Using Micro Balance (readability: 0.001 mg) by Gravimetric Method Procedure based on ISO 8655-6:2022	0.5 µl to 10 µl	0.03 µl
85	MECHANICAL-VOLUME	Piston Pipette (Micro Pipette)	Using Micro Balance (readability: 0.001 mg by Gravimetric Method Procedure based on ISO 8655-6:2022	10 µl to 100 µl	0.09 µl
86	MECHANICAL-VOLUME	Piston Pipette (Micro Pipette)	Using Digital Balance (readability : 0.01 / 0.1 mg) Precision Balance by Gravimetric Method Procedure based on ISO 8655 - 6: 2022	1000 µl to 5000 µl	0.66 µl
87	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance - Class I (readability : 0.001 mg)	Using E1 Class Weights as per OIML R 76	0 to 6.1 g	0.008 mg
88	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance - Class II (readability : 1 mg)	Using E1 Class Weights as per OIML R 76	0 to 520 g	0.8 mg
89	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance - Class II (readability : 10 mg)	Using E2 Class Weights as per OIML R 76	0 to 5 kg	8 mg
90	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance - Class III (readability : 100 mg)	Using E2 & F1 Class Weights as per OIML R 76	0 to 20 kg	0.086 g



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91	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.001 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	1 g	0.0041 mg
92	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.001 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	1 mg	0.002 mg
93	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.01/0.1 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	10 g	0.012 mg
94	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.001 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	10 mg	0.002 mg



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95	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.01/0.1 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	100 g	0.098 mg
96	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.001 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	100 mg	0.003 mg
97	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.001 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	2 g	0.0043 mg
98	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.001 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	2 mg	0.002 mg



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99	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.01/0.1 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	20 g	0.012 mg
100	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.001 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	20 mg	0.002 mg
101	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.01/0.1 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	200 g	0.10 mg
102	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.001 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	200 mg	0.003 mg



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103	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.001 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	5 g	0.0057 mg
104	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.001 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	5 mg	0.002 mg
105	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.01/0.1 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	50 g	0.092 mg
106	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.001 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	50 mg	0.003 mg



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107	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weights and Digital Weighing Balance (Readability: 0.001 mg) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	500 mg	0.003 mg
108	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E2 Class Weights and Digital Weighing Balance (Readability: 0.001g) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	1 kg	2.4 mg
109	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E2 Class Weights and Digital Weighing Balance (Readability: 0.01g) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	2 kg	10 mg
110	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E2 Class Weights and Digital Weighing Balance (Readability: 0.01g) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	5 kg	12.2 mg



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111	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E2 Class Weights and Digital Weighing Balance (Readability: 0.001g) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	500 g	1.1 mg
112	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F1 Class Weights and Digital Weighing Balance (Readability: 0.1g) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	10 kg	95.3 mg
113	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F1 Class Weights and Digital Weighing Balance (Readability: 0.1g) by Substitution Method based on ABBA Cycle as per OIML R111-1: 2004	20 kg	195.6 mg
114	THERMAL-SPECIFIC HEAT & HUMIDITY	Analog / Digital Thermo Hygrometer, Temperature Humidity Meter, Humidity Indicator / Recorder / Data logger, Humidity Transmitter with Sensor	Using Temperature / Humidity Probe with Indicator, Digital Multimeter & Temperature / Humidity Generator, Reference Thermometer with PRT By Comparison Method	5 °C to 50 °C @ 50 %rh	0.49 °C



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115	THERMAL-SPECIFIC HEAT & HUMIDITY	Analog / Digital Thermo Hygrometer, Temperature Humidity Meter, Humidity Indicator / Recorder / Data Logger with Sensor, Humidity Transmitter with Sensor	Using Temperature / Humidity Probe with Indicator, Digital Multimeter & Temperature / Humidity Generator By Comparison Method	20 %rh to 95 %rh @ 25 °C	0.79 %rh
116	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD With 6½ Digital Multimeter Liquid bath By Comparison Method	(-)40 °C to 50 °C	0.34 °C
117	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using RTD With 6½ Digital Multimeter Liquid bath By Comparison Method	50 °C to 250 °C	0.66 °C
118	THERMAL-TEMPERATURE	RTD, Thermocouple, Temperature Sensor with or without Indicator, Recorder / Data Logger, Temperature Indicator with Sensor / Temperature Gauge / Transmitter	Using RTD With 6½ Digit Digital Multimeter and Liquid Bath By Comparison Method	(-)40 °C to 50 °C	0.34 °C
119	THERMAL-TEMPERATURE	RTD, Thermocouple, Temperature Sensor with or without Indicator, Recorder / Data Logger, Temperature Indicator with Sensor / Temperature Gauge / Transmitter	Using RTD With 6½ Digit Digital Multimeter and Dry Block Calibrator By Comparison Method	50 °C to 400 °C	0.38 °C



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120	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Bath, Dry Block Calibrator, Fluid Bath, Furnace, Oven (for non medical purpose only) - Single Position Calibration	Using S Type Thermocouple With Precision Temperature Indicator and Digital Multimeter By Comparison Method	400 °C to 600 °C	0.54 °C
121	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Bath, Dry Block Calibrator, Furnace, Oven (for non medical purpose only)	Using S Type Thermocouple With Precision Temperature Indicator By Comparison Method	600 °C to 1200 °C	1.96 °C
122	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with or without Indicator, Recorder / Data Logger, Temperature Indicator with Sensor / Temperature Gauge / Transmitter	Using S Type Thermocouple With Precision Temperature Indicator, Digital Multimeter and Dry Block Calibrator By Comparison Method	400 °C to 600 °C	0.64 °C
123	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with or without Indicator, Recorder / Data Logger, Temperature Indicator with Sensor / Transmitter	Using S Type Thermocouple With Precision Temperature Indicator, Digital Multimeter and Dry Block Calibrator By Comparison method	600 °C to 1200 °C	2.04 °C



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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	30 µA to 10 A	0.42 % to 0.51 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Probe with Digital Multimeter by Direct Method	0.5 kV to 28 kV	6.41 % to 6.69 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using 6½ Digit Digital Multimeter by Direct Method	10 mV to 750 V	0.12 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1 kHz	Using 5½ Digit Multifunction Calibrator by Direct Method	0.2 mA to 10 A	3.26 % to 0.22 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using 5½ Digit Multifunction Calibrator by Direct Method	0.2 mA to 10 A	3.26 % to 0.22 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC High Current @ 50 Hz	Using 5½ Digit Multifunction Calibrator With 100 Turn Current Coil by Direct Method	>10 A to 1000 A	1.92 % to 0.98 %



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7	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using 5½ Digit Multifunction Calibrator by Direct Method	10 mV to 1000 V	0.35 % to 0.19 %
8	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz	Using 5½ Digit Multifunction Calibrator by Direct Method	10 mV to 1000 V	0.35 % to 0.19 %
9	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Decade Capacitance Box by Direct Method	1 nF to 100 µF	1.16 %
10	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1 kHz	Using Decade Inductance Box by Direct Method	10 µH to 10 H	1.86 % to 1.16 %
11	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Capacitance	Using 6½ Digit Digital Multimeter by Direct Method	1 nF to 100 µF	7.44 % to 3.63 %
12	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Digital Multimeter by Direct Method	10 µA to 10 A	0.10 % to 0.19 %
13	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC High Voltage	Using HV Probe with Digital Multimeter by Direct Method	0.5 kV to 40 kV	2.92 % to 3.56 %



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14	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit Digital Multimeter by Direct Method	1 mV to 1000 V	0.48 % to 0.0063 %
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ Digit Digital Multimeter by Direct Method	100 kohm to 100 Mohm	0.18 % to 0.95 %
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digit Digital Multimeter by Direct Method	1 Ohm to 100 kOhm	0.48 % to 0.95 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5½ Digit Multifunction Calibrator by Direct Method	0.1 mA to 10 A	6.11 % to 0.15 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC High Current	Using 5½ Digit Multifunction Calibrator With 100 Turn Current Coil by Direct Method	>10 A to 1000 A	1.91 % to 1 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5½ Digit Multifunction Calibrator by Direct Method	1 mV to 1000 V	1.28 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Decade Resistance Box by Direct Method	1 kohm to 1000 Mohm	0.12 % to 0.61 %



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21	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Decade Resistance Box by Direct Method	1 Ohm to 1 kohm	0.25 % to 0.12 %
22	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	600 °C to 1800 °C	1.16 °C
23	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	(-)-200 °C to 1000 °C	0.36 °C
24	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	(-)-200 °C to 1200 °C	0.36 °C
25	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	(-)-200 °C to 1350 °C	0.48 °C
26	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	(-)-200 °C to 1300 °C	0.48 °C
27	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	10 °C to 1750 °C	0.94 °C



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28	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (Pt 100)	Direct Method By Using Multifunction Process Calibrator	(-)200 °C to 800 °C	0.35 °C
29	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	10 °C to 1750 °C	0.94 °C
30	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T Type Thermocouple	Direct Method By Using Multifunction Process Calibrator	(-)200 °C to 400 °C	0.36 °C
31	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	600 °C to 1800 °C	1.16 °C
32	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	(-)200 °C to 1000 °C	0.32 °C
33	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	(-)200 °C to 1200 °C	0.36 °C
34	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	(-)200 °C to 1350 °C	0.48 °C



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35	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	(-)200 °C to 1300 °C	0.48 °C
36	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	10 °C to 1750 °C	0.94 °C
37	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (Pt 100)	Using Multifunction Process Calibrator by Direct Method	(-)200 °C to 800 °C	0.41 °C
38	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	10 °C to 1750 °C	0.94 °C
39	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using Multifunction Process Calibrator by Direct Method	(-)200 °C to 400 °C	0.38 °C
40	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ Digit Digital Multimeter by Direct Method	10 Hz to 1 MHz	0.06 % to 0.12 %
41	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	10 s to 1800 s	0.58 s



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42	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	1800 s to 36000 s	0.98 s
43	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using 5½ Digit Multifunction Calibrator by Direct Method	45 Hz to 1000 Hz	0.31 % to 0.06 %
44	FLUID FLOW-FLOW MEASURING DEVICES	Ultrasonic Flow meter, Vortex Flowmeter, Rotameter, Mechanical Flowmeter, Orifice Type Flowmeter, Analog / Digital Flow Meter (Medium : Water)	Using Clamp on Ultrasonic Flow Meter by Comparison Method	0.4 m³/h to 350 m³/h	2.35 %
45	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM Calibrator, RPM Source, RPM Indicator- Non Contact type	Using Digital Tachometer By Comparison Method	100 rpm to 1000 rpm	3.68 rpm
46	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM Calibrator, RPM Source, RPM Indicator- Non Contact type	Using Digital Tachometer By Comparison Method	1000 rpm to 10000 rpm	8.5 rpm
47	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM Calibrator, RPM Source, RPM Indicator- Non Contact type	Using Digital Tachometer By Comparison Method	10000 rpm to 20000 rpm	10.79 rpm



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48	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM Calibrator, RPM Source, RPM Indicator- Non Contact type	Using Digital Tachometer By Comparison Method	20000 rpm to 90000 rpm	17.40 rpm
49	MECHANICAL-ACCELERATION AND SPEED	Centrifuge, RPM Calibrator, RPM Source, RPM Indicator- Non Contact type	Using Digital Tachometer By Comparison Method	50 rpm to 100 rpm	3.62 rpm
50	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital Pressure Gauge, Compound Gauges, Pressure Indicators, Pressure Switches, Pressure Transducer/Transmitter (Pneumatic)	Using Digital Pressure Gauge, Digital Multimeter and Pneumatic Pressure Comparator as per DKD R 6-1 by Comparison Method	0 to 2 bar	0.002 bar
51	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital Pressure Gauge, Compound Gauges, Pressure Switch, Pressure Transducer / Transmitter (Pneumatic)	Using Digital Pressure Gauge, Digital Multimeter and Pneumatic Pressure Comparator as per DKD R 6-1 by Comparison Method	0 to 35 bar	0.014 bar
52	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital Pressure Gauge, Pressure Transducer/Transmitter (Hydraulic)	Using Digital Pressure Gauge, Digital Multimeter and Hydraulic Pressure Comparator as per the DKD R 6-1 by Comparison Method	0 to 700 bar	0.27 bar



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53	MECHANICAL-PRESSURE INDICATING DEVICES	Dial / Digital Vacuum Gauge, Compound Gauge, Pressure Transducer / Transmitter	Using Digital Pressure Gauge, Digital Multimeter and Pneumatic Pressure Comparator as per the DKD R 6-1 by Comparison Method	(-)0.85 bar to 0	0.0057 bar
54	MECHANICAL-PRESSURE INDICATING DEVICES	Magnehelic Gauge / Differential Pressure Gauge, Manometer ,Pressure Transducer/Transmitter(Pneumatic)	Using Digital Manometer, Digital Multimeter and Pneumatic Pump as per DKD R 6-1 by Comparison Method	0 to 200 mbar	0.22 mbar
55	MECHANICAL-PRESSURE INDICATING DEVICES	Magnehelic Gauge / Differential Pressure Gauge, Manometer, Pressure Transducer/Transmitter (Pneumatic)	Using Digital Manometer, Digital Multimeter and Pneumatic Pump as per DKD R 6-1 by Comparison Method	(-)2000 Pa to 0	1.44 Pa
56	MECHANICAL-PRESSURE INDICATING DEVICES	Magnehelic Gauge / Differential Pressure Gauge, Manometer, Pressure Transducer/Transmitter (Pneumatic)	Using Digital Manometer, Digital Multimeter and Pneumatic Pump as per DKD R 6-1 by Comparison Method	0 to (-)100 mbar	0.16 mbar
57	MECHANICAL-PRESSURE INDICATING DEVICES	Magnehelic Gauge / Differential Pressure Gauge, Manometer, Transducer/Transmitter (Pneumatic)	Using Digital Manometer, Digital Multimeter and Pneumatic Pump as per DKD R 6-1 by Comparison Method	0 to 2000 Pa	1.95 Pa
58	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance - Class I (readability : 0.001 mg)	Using E1 Class Weights as per OIML R 76	0 to 6.1 g	0.008 mg



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59	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance - Class I (readability : 0.1 mg)	Using E1 Class Weights as per OIML R 76	0 to 252 g	0.11 mg
60	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance - Class I(readability : 0.01 mg)	Using E1 Class Weights as per OIML R 76	0 to 102 g	0.04 mg
61	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance - Class II (readability : 1 mg)	Using E1 Class Weights as per OIML R 76	0 to 520 g	0.8 mg
62	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance - Class II (readability : 10 mg)	Using E2 Class Weights as per OIML R 76	0 to 5 kg	8 mg
63	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance - Class III (readability : 1 g)	Using E2 & F1 Class Weights as per OIML R 76	0 to 35 kg	0.97 g
64	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance - Class III (readability : 100 mg)	Using E2 & F1 Class Weights as per OIML R 76	0 to 20 kg	0.086 g
65	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance - Class IIII (readability : 10 g)	Using F1 & M1 Class Weights as per OIML R 76	0 to 100 kg	8.26 g



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66	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity / Temperature Chamber, Environmental Chamber, Climatic Chamber, Temperature & Humidity Indicators with sensor of Humidity Chamber - Single Position Calibration	Using Temperature Humidity Sensor with Indicator By Comparison Method	10 %rh to 95 %rh @ 25 °C	0.56 % rh
67	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature Indicator with Sensor of Humidity / Temperature Chamber, Environmental Chamber, Climatic Chamber, Temperature & Humidity Indicator with Sensor of Humidity Chamber - Single Position Calibration	Using Temperature Humidity Sensor with Indicator By Comparison Method	5 °C to 50 °C @ 50 %rh	0.24 °C
68	THERMAL-TEMPERATURE	Freezer, Oven, Incubator, Furnace, Chamber, Deep Freezer, Auto Clave (for non-medical use only) - Multi Point Calibration	Using RTD (Pt 100) sensors (Minimum 9) with Multi Channel Data Logger By Comparison Method	(-)80 °C to 400 °C	2.17 °C



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69	THERMAL-TEMPERATURE	RTD, Thermocouple, Temperature Sensor with or without Indicator, Recorder / Data Logger, Temperature Indicator with Sensor / Temperature Gauge / Transmitter	Using RTD with Portable Calibrator, 6½ Digital Multimeter and Liquid Bath By Comparison Method	(-)40 °C to 50 °C	0.34 °C
70	THERMAL-TEMPERATURE	RTD, Thermocouple, Temperature Sensor with or without Indicator, Recorder / Data Logger, Temperature Indicator with Sensor / Temperature Gauge / Transmitter	Using RTD with Portable Calibrator, 6½ Digital Multimeter and Dry Block Calibrator By Comparison Method	50 °C to 400 °C	0.38 °C
71	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Bath, Dry Block Calibrator, Fluid Bath, Furnace, Oven (for non medical purpose only) - Single Position Calibration	Using S Type Thermocouple With Portable calibrator By Comparison Method	400 °C to 600 °C	0.54 °C
72	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Bath, Dry Block Calibrator, Furnace, Oven (for non medical purpose only)	Using S Type Thermocouple With Portable Calibrator By Comparison Method:	600 °C to 1200 °C	1.96 °C



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73	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Bath, Dry Block Calibrator, Liquid Bath, Freezer, Refrigerator, Furnace / Oven / Incubator / Auto Clave (for non medical purpose only) - Single Position Calibration	Using RTD With 6½ Digit Digital Multimeter By Comparison Method	(-)80 °C to 400 °C	0.62 °C
74	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with or without Indicator, Recorder / Data Logger, Temperature Indicator with Sensor / Temperature Gauge / Transmitter	Using S Type Thermocouple With Portable Calibrator, 6½ Digital Multimeter and Dry Block Calibrator By Comparison Method:	400 °C to 600 °C	0.64 °C
75	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with or without Indicator, Recorder / Data Logger, Temperature Indicator with Sensor / Transmitter	Using S Type Thermocouple With Portable Calibrator, 6½ Digital Multimeter and Dry Block Calibrator By Comparison Method	600 °C to 1200	2.04 °C

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