



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** AVI SCIENTIFIC INDIA, A-221, AMARGIAN IND. COMPLEX, KHOPAT, THANE, MAHARASHTRA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** CC-2645 **Page No** 1 of 24

**Validity** 05/04/2023 to 04/04/2025 **Last Amended on** 10/05/2023

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	MECHANICAL-ACCELERATION AND SPEED	RPM/ Speed Indicator / Centrifuge/Rotary Shaker (Non contact type)	Using Digital Tachometer by comparison Method.	100 rpm to 1000 rpm	6.51rpm
2	MECHANICAL-ACCELERATION AND SPEED	RPM/ Speed Indicator / Centrifuge/Rotary Shaker (Non contact type)	Using Digital tachometer by comparison method	1000 rpm to 5000 rpm	7.18rpm
3	MECHANICAL-ACCELERATION AND SPEED	RPM/Tachometer (Non-Contact Type)	Using Digital Tachometer with Tachometer Calibrator by Comparison method	1000 rpm to 5000 rpm	16.2rpm
4	MECHANICAL-ACCELERATION AND SPEED	RPM/Tachometer (Non-Contact Type)	Using Digital Tachometer with Tachometer Calibrator by Comparison method	10000 rpm to 15000 rpm	23.8rpm
5	MECHANICAL-ACCELERATION AND SPEED	RPM/Tachometer (Non-Contact Type)	Using Digital Tachometer with Tachometer Calibrator by Comparison method	15000 rpm to 20000 rpm	23.8rpm



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6	MECHANICAL-ACCELERATION AND SPEED	RPM/Tachometer (Non-Contact Type)	Using Digital Tachometer with Tachometer Calibrator by Comparison method	20000 rpm to 30000 rpm	23.2rpm
7	MECHANICAL-ACCELERATION AND SPEED	RPM/Tachometer (Non-Contact Type)	Using Digital Tachometer with Tachometer Calibrator by Comparison method	5000 rpm to 10000 rpm	16.2rpm
8	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge (Dial & Digital-Hydraulic )	Using Digital Pressure Gauge and Hydraulic Pressure pump by Comparison method as per DKD-R 6-1	0 to 70 bar	0.03bar
9	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge(Dial & Digital-Hydraulic )	Using Digital Pressure Gauge and Hydraulic Pressure pump by Comparison method as per DKD-R 6-1	0 to 700 bar	0.48bar
10	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge(Dial & Digital-Hydraulic Pressure)	Using Digital Pressure Gauge and Hydraulic Pressure pump by Comparison method as per DKD-R 6-1	0 to 300 bar	0.2bar



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11	MECHANICAL-VOLUME	Glassware (graduated pipette, burette, measuring Cylinder, Volumetric Flask/ Beaker)	Using weighing balance of Cap. 3000 g, d= 1 mg and distilled water by gravimetric method as per ISO 4787: 2010 and ISO 20461	>100 ml to 1000 ml	0.11ml
12	MECHANICAL-VOLUME	Glassware (graduated pipette, burette, measuring Cylinder, Volumetric Flask/ Beaker, Density Bottle/ Cup/ Specific Gravity Bottle / Sheen Cup) (Volume)	Using weighing balance of Cap. 220 g, d= 0.1 mg and distilled water by gravimetric method as per ISO 4787: 2010 and ISO 20461	>10 ml to 100 ml	3.41µl
13	MECHANICAL-VOLUME	Glassware (graduated pipette, burette, measuring Cylinder, Volumetric Flask/ Beaker, Density Bottle/ Cup/ Specific Gravity Bottle/ Sheen Cup) (Volume)	Using weighing balance of Cap. 42 g, d= 0.01 mg and distilled water by gravimetric method as per ISO 4787: 2010 and ISO 20461	>1 ml to 10 ml	1.0µl



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14	MECHANICAL-VOLUME	Glassware (graduated pipette, burette, measuring Cylinder, Volumetric Flask/Beaker)	Using weighing balance of Cap. 3000 g, d= 1 mg and distilled water by gravimetric method as per ISO 4787: 2010 and ISO 20461	>1000 ml to 2000 ml	0.16ml
15	MECHANICAL-VOLUME	Micropipettes	Using weighing balance of Cap. 42 g, d= 0.01 mg and distilled water by gravimetric method as per ISO 8655-6: 2002 and ISO 20461	>10 µl to 50 µl	0.19µl
16	MECHANICAL-VOLUME	Micropipettes	Using weighing balance of Cap. 42 g, d= 0.01 mg and distilled water by gravimetric method as per ISO 8655-6: 2002 and ISO 20461	>50 µl to 500 µl	0.28µl
17	MECHANICAL-VOLUME	Micropipettes	Using weighing balance of Cap. 42 g, d= 0.01 mg and distilled by gravimetric method as per ISO 8655-6: 2002 and ISO 20461 water	>500 µl to 1000 µl	0.32µl



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18	MECHANICAL-VOLUME	Volume/ Glass Pipette (Graduated/ Non Graduated)	Using weighing balance of Cap. 42 g, d= 0.01 mg and distilled water by gravimetric method as per ISO 4787: 2010 and ISO 20461	0.1 ml to 1 ml	0.16µl
19	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class I and Coarser d = 0.01 mg	Using standard Weights E1 Accuracy class 1 mg to 200 g as per OIML R76-1:2006	0 to 42 g	0.02mg
20	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class I and Coarser d = 0.1 mg	Using standard Weights E1 Accuracy class 1 mg to 200 g as per OIML R76-1:2006	>42 g to 220 g	0.2mg
21	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class III and Coarser d = 0.1 g	Using standard Weights E1 Accuracy class 1 mg to 200 g and F1 Accuracy Class 500 g to 3 kg as per OIML R76-1:2006	>220 g to 3 kg	100mg
22	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class III and Coarser d = 0.1 g	Using standard Weights E1 Accuracy class 1 mg to 200 g and F1 Accuracy Class 500 g to 5 kg as per OIML R76-1:2006	>3 kg to 5 kg	100mg



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23	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class IIII and Coarser d = 10 g	Using standard Weights F1 Accuracy class up to 70 kg, F2 Accuracy Class 30 kg as per OIML R76-1:2006	>60 kg to 100 kg	10g
24	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class IIII and Coarser d = 2 g	Using standard Weights F1 Accuracy class up to 60 kg as per OIML R76-1:2006	>5 kg to 60 kg	2.03g
25	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class IIII and Coarser d = 20 g	Using standard Weights F1 Accuracy class up to 70 kg, F2 Accuracy Class 30 kg and M1 Accuracy Class 40 kg as per OIML R76-1:2006	>100 kg to 130 kg	20g
26	MECHANICAL-WEIGHTS	Weights/Weight Calibration of F1 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	1 g	0.02mg



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27	MECHANICAL-WEIGHTS	Weights/Weight Calibration of F1 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	2 g	0.02mg
28	MECHANICAL-WEIGHTS	Weights/Weight Calibration of F1 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	20 g	0.02mg



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29	MECHANICAL-WEIGHTS	Weights/Weight Calibration of F1 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	200 g	0.13mg
30	MECHANICAL-WEIGHTS	Weights/Weight Calibration of F1 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	5 g	0.02mg





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31	MECHANICAL-WEIGHTS	Weights/Weight Calibration of F1 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	50 g	0.1mg
32	MECHANICAL-WEIGHTS	Weights/Weight Calibration of F2 Accuracy class and Coarser	Using F1 Accuracy class standard weight 500 g and Weighing Balance Capacity 2 kg and d: 0.001 g, Substitution Method by ABBA Cycles as per OIML R-111:2004	2 kg	2.3mg
33	MECHANICAL-WEIGHTS	Weights/Weight Calibration of F2 Accuracy class and Coarser	Using F1 Accuracy class standard weight 5 kg and Weighing Balance Capacity 5 kg and d: 0.01 g, Substitution Method by ABBA Cycles as per OIML R-111:2004	5 kg	1.023mg



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34	MECHANICAL-WEIGHTS	Weights/Weight Calibration of F2 Accuracy class and Coarser	Using F1 Accuracy class standard weight 500 g and Weighing Balance Capacity 2 kg and d: 0.001 g, Substitution Method by ABBA Cycles as per OIML R-111:2004	1 kg	1.5mg
35	MECHANICAL-WEIGHTS	Weights/Weight Calibration of F2 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	1 mg	0.011mg
36	MECHANICAL-WEIGHTS	Weights/Weight Calibration of F2 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	10 mg	0.011mg



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37	MECHANICAL-WEIGHTS	Weights/Weight Calibration of F2 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	2 mg	0.011mg
38	MECHANICAL-WEIGHTS	Weights/Weight Calibration of F2 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	20 mg	0.013mg
39	MECHANICAL-WEIGHTS	Weights/Weight. Calibration of M3 Accuracy class and Coarser	Using F1 Accuracy class standard weight 10 kg and Weighing Balance Capacity 60 kg and d: 2 g, Substitution Method by ABBA Cycles as per OIML R-111:2004	10 kg	1.7g



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40	MECHANICAL-WEIGHTS	Weights/Weight.Calibration of F1 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	100 g	0.1mg
41	MECHANICAL-WEIGHTS	Weights/Weight.Calibration of F1 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	200 mg	0.02mg



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42	MECHANICAL-WEIGHTS	Weights/Weight.Calibration of F1 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	50 mg	0.013mg
43	MECHANICAL-WEIGHTS	Weights/Weight.Calibration of F2 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	5 mg	0.011mg
44	MECHANICAL-WEIGHTS	Weights/Weight.Calibration of M3 Accuracy class and Coarser	Using F1 Accuracy class standard weight 10 kg and Weighing Balance Capacity 60 kg and d: 2 g, Substitution Method by ABBA Cycles as per OIML R-111:2004	20 kg	1.8g



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45	MECHANICAL-WEIGHTS	Weights/Weights Calibration of F1 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	10 g	0.02mg
46	MECHANICAL-WEIGHTS	Weights/Weights Calibration of F1 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	500 mg	0.02mg
47	MECHANICAL-WEIGHTS	Weights/Weights Calibration of F2 Accuracy class and Coarser	Using E1 Accuracy class standard weight 500 g and Weighing Balance Capacity 2 kg and d: 0.001 g, Substitution Method by ABBA Cycles as per OIML R-111:2004	500 g	0.9mg



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48	MECHANICAL-WEIGHTS	Weights/Weights.Cal ibration of F1 Accuracy class and Coarser	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 42 g /220 g and d: 0.01 mg / 0.1 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004	100 mg	0.013mg
49	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity & Temperature/ Humidity & Temperature/ Relative Humidity cum Temperature sensor with Indicator/ Thermo hygrometer/ Data Logger	Using Temperature & Humidity Chamber with Indicator by Comparison method	25 °C to 45 °C @50%rh	1.08°C
50	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity & Temperature/ Humidity & Temperature/ Relative Humidity cum Temperature sensor with Indicator/ Thermo hygrometer/ Data Logger	Using Humidity & Temperature sensor with Indicator & humidity chamber by Comparison method	30 %rh to 90 %rh @25°C	3.53%rh



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51	THERMAL-TEMPERATURE	Liquid of glass thermometer	Using 4 wire RTD class A (1/5 din) Sensor with Indicator & Liquid bath by Comparison method	250 °C to 300 °C	0.56°C
52	THERMAL-TEMPERATURE	Liquid of glass thermometer	Using 4 wire RTD class A (1/5 din) Sensor with Indicator & Liquid bath by Comparison method	-40 °C to 250 °C	0.56°C
53	THERMAL-TEMPERATURE	RTD with/ without Indicator/ Temp.Indicator/ Temperature Sensor-with or without Indicator, Dial & Digital Thermometer	Using 4 wire RTD class A (1/5 din) Sensor with Indicator, Digital Thermometer & Liquid bath by Comparison method	250 °C to 300 °C	0.54°C
54	THERMAL-TEMPERATURE	RTD with/ without Indicator/ Temp.Indicator/ Temperature Sensor-with or without Indicator, Dial & Digital Thermometer	Using 4 wire RTD class A (1/5 din) Sensor with Indicator, Digital Thermometer & Liquid bath by Comparison method	-40 °C to 250 °C	0.54°C





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55	THERMAL-TEMPERATURE	RTD/ Thermocouple with/ without Indicator/ Temperature Sensor with Indicator	Using S type Thermocouple with Temperature Indicator, Digital Thermometer & Dry Block calibrator by Comparison method	250 °C to 500 °C	0.92°C
56	THERMAL-TEMPERATURE	RTD/ Thermocouple with/ without Indicator/ Temperature Sensor with Indicator	Using S type Thermocouple with Temperature Indicator, Digital Thermometer & Dry Block calibrator by Comparison method	500 °C to 700 °C	2.5°C
57	THERMAL-TEMPERATURE	RTD/ Thermocouple with/ without Indicator/ Temperature Sensor with Indicator	Using S type Thermocouple with Temperature Indicator, Digital Thermometer & Dry Block calibrator by Comparison method	700 °C to 1200 °C	2.67°C



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Site Facility					
1	MECHANICAL-ACCELERATION AND SPEED	RPM/ Speed Indicator / Centrifuge/Rotary Shaker (Non contact type)	Using Digital Tachometer By Comparison method:	100 rpm to 1000 rpm	6.51rpm
2	MECHANICAL-ACCELERATION AND SPEED	RPM/ Speed Indicator / Centrifuge/Rotary Shaker (Non contact type)	Using Digital Tachometer By Comparison method	1000 rpm to 5000 rpm	7.18rpm
3	MECHANICAL-ACCELERATION AND SPEED	RPM/ Speed Indicator / Centrifuge/Rotary Shaker (Non contact type)	Using Digital Tachometer By Comparison method	5000 rpm to 15000 rpm	11.79rpm
4	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge (Dial and Digital-Hydraulic Pressure)	Using Digital Pressure Gauge and Hydraulic Pump by Comparison method as per DKD-R 6-1	0 to 700 bar	0.48bar
5	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge (Dial and Digital-Hydraulic Pressure)	Using Digital Pressure Gauge and Hydraulic Pump by Comparison method as per DKD-R 6-1	0 to 70 bar	0.03bar



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6	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge (Dial and Digital-Hydraulic Pressure)	Using Digital Pressure Gauge and Hydraulic Pump by Comparison method as per DKD-R 6-1	0 to 300 bar	0.2bar
7	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class I and Coarser d = 0.01 mg	Using standard Weights E1 Accuracy class 1 mg to 200 g as per OIML R76-1:2006	0 to 42 g	0.02mg
8	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class I and Coarser d = 0.1 mg	Using standard Weights E1 Accuracy class 1 mg to 200 g as per OIML R76-1:2006	>42 g to 220 g	0.2mg
9	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class III and Coarser d = 0.1 g	Using standard Weights E1 Accuracy class 1 mg to 200 g and F1 Accuracy Class 500 g to 3 kg as per OIML R76-1:2006	>220 g to 3 kg	100mg
10	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class III and Coarser d = 0.1 g	Using standard Weights E1 Accuracy class 1 mg to 200 g and F1 Accuracy Class 500 g to 5 kg as per OIML R76-1:2006	>3 kg to 5 kg	100mg



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11	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class IIII and Coarser d = 10 g	Using standard Weights F1 Accuracy class up to 70 kg, F2 Accuracy Class 30 kg as per OIML R76-1:2006	>60 kg to 100 kg	10g
12	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class IIII and Coarser d = 2 g	Using standard Weights F1 Accuracy class up to 60 kg as per OIML R76-1:2006	>5 kg to 60 kg	2.03g
13	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balance Class IIII and Coarser d = 20 g	Using standard Weights F1 Accuracy class up to 70 kg, F2 Accuracy Class 30 kg and M1 Accuracy Class 40 kg as per OIML R76-1:2006	>100 kg to 130 kg	20g
14	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity & Temperature chamber/ Environmental Chamber (Multi Position Calibration)	Using Wireless Data Logger (9 no.) by Comparison method as per DKD-R-5-7	25 °C to 45 °C @50%rh	2.45°C
15	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity & Temperature/ Humidity & Temperature/ Environmental Chamber (Multi position calibration)	Using Wireless Data Logger (9 no.) by Comparison method as per DKD-R-5-7	30 %rh to 90 %rh @25°C	4.99%rh



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16	THERMAL-TEMPERATURE	Indicator with Temperature Sensor of chamber/ Hot Air Oven/ liquid bath./Heat chamber (Single position calibration)	Using 4 wire RTD class A (1/5 din) Sensor with Indicator by Comparison method	25 °C to 250 °C	0.59°C
17	THERMAL-TEMPERATURE	Indicator with Temperature Sensor of chamber/ Hot Air Oven/ liquid bath./Heat chamber (Single position calibration)	Using 4 wire RTD class A (1/5 din) Sensor with Indicator by Comparison method	250 °C to 300 °C	0.72°C
18	THERMAL-TEMPERATURE	Indicator with temperature Sensor of Autoclave(non - medical) (Single Position Calibration)	Using 4 wire RTD class A (1/5 din) Sensor with Indicator by Comparison method	121 °C	0.36°C
19	THERMAL-TEMPERATURE	Indicator with temperature Sensor of chamber/ Incubator (BOD / Bacteriological - (non-medical)) (Single Position Calibration)	Using 4 wire RTD class A (1/5 din) Sensor with Indicator by Comparison method	10 °C to 110 °C	0.27°C



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20	THERMAL-TEMPERATURE	Indicator with temperature Sensor of Temperature Bath (Water bath/ Oil bath) (Single Position Calibration)	Using 4 wire RTD class A (1/5 din) Sensor with Indicator by Comparison method	25 °C to 100 °C	0.36°C
21	THERMAL-TEMPERATURE	Indicator with temperature Sensor of Temperature Bath (Water bath/ Oil bath) (Single Position calibration)	Using 4 wire RTD class A (1/5 din) Sensor with Indicator by Comparison method	100 °C to 300 °C	0.55°C
22	THERMAL-TEMPERATURE	Indicator with Temperature Sensor of Heat chamber/ Muffle Furnace /Furnace/Temperature Bath (Single Position calibration)	Using S Type Thermocouple with Indicator by Comparison method	250 °C to 500 °C	0.92°C
23	THERMAL-TEMPERATURE	Indicator with Temperature Sensor of Heat chamber/ Muffle Furnace /Furnace/Temperature Bath (Single Position calibration)	Using S Type Thermocouple with indicator by Comparison method	500 °C to 700 °C	2.18°C



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24	THERMAL-TEMPERATURE	Indicator with Temperature Sensor of Heat chamber/ Muffle Furnace /Furnace/Temperature Bath (Single Position calibration)	Using S Type Thermocouple with indicator by Comparison method	700 °C to 1200 °C	2.74°C
25	THERMAL-TEMPERATURE	Indicator with Temperature Sensor of Incubator (Non Medical)/ BOD Incubator(Non Medical)/ Oven/ water bath/ Autoclave (Non Medical), Chamber (Multi Position Calibration)	Using Data Logger with RTD Sensor (3 wire) by Comparison method as per DKD-R-5-7	20 °C to 250 °C	0.83°C
26	THERMAL-TEMPERATURE	Indicator with Temperature Sensor of Refrigerator/ Deep Freezer/ Cold Chamber/ Cold Room (Multi Position calibration)	Using 4 wire RTD class A (1/5 din) Sensor with Indicator (9 no.of RTD Sensor) by Comparison method as per DKD-R-5-7	(-)-80 °C to 20 °C	0.76°C
27	THERMAL-TEMPERATURE	Indicator with temperature Sensor of Refrigerator/Deep Freezer/ Cold chamber (Single Position calibration)	Using 4 wire RTD class A (1/5 din) Sensor with Indicator by Comparison method	(-80) °C to 20 °C	0.72°C



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28	THERMAL-TEMPERATURE	Liquid of glass thermometer	Using 4 wire RTD class A (1/5 din) Sensor with Indicator & Liquid bath by Comparison method	250 °C to 300 °C	0.56°C
29	THERMAL-TEMPERATURE	Liquid of glass thermometer	Using 4 wire RTD class A (1/5 din) Sensor with Indicator & Liquid bath by Comparison method	-40 °C to 250 °C	0.38°C

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