



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

AIMTECH SYSTEMS LLP, UNIT 101, PLOT NO. 131, SECTOR 1 A,  
KOPARKHAIRANE, NAVI MUMBAI, THANE, MAHARASHTRA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

CC-4654

**Page No**

1 of 8

**Validity**

22/01/2026 to 21/01/2030

**Last Amended on**

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S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Medium: Pressure Gauge (Digital or Analog)	Using Digital Pressure Gauge & Hydraulic Pressure Comparator by Comparison Method as per DKD R6-1	0 to 100 bar	0.12 bar
2	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Medium: Pressure Gauge (Digital or Analog)	Using Digital Pressure Gauge & Hydraulic Pressure Comparator by Comparison Method as per DKD R6-1	0 to 1000 bar	0.52 bar
3	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Medium: Pressure Gauge (Digital or Analog)	Using Digital Pressure Gauge & Hydraulic Pressure Comparator by Comparison Method as per DKD R6-1	0 to 300 bar	0.14 bar
4	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Medium: Digital/Analog Pressure Gauge, Differential Pressure Gauge, Manometer, Magnehelic Gauge	Using Pressure Calibrator & Pneumatic Pressure Pump by Comparison Method as per DKD R6-1	(-) 19 mbar to 19 mbar	0.094 mbar



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2 of 8

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5	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Medium: Pressure Gauge (Digital or Analog)	Using Digital Pressure Gauge & Pneumatic Pressure Comparator by Comparison Method as per DKD R6-1	0 to 2 bar	0.0031 bar
6	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Medium: Pressure Gauge (Digital or Analog)	Using Digital Pressure Gauge & Pneumatic Pressure Comparator by Comparison Method as per DKD R6-1	0 to 40 bar	0.035 bar
7	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Medium: Vacuum Gauge (Digital or Analog)	Using Digital Pressure Gauge & Pneumatic Pressure Comparator by Comparison Method as per DKD R6-1	(-) 0.9 bar to 0	0.0022 bar
8	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Sensors with Indicator, Thermo-hygrometer	Using Humidity & Temperature Indicator with Sensor and Temperature & Humidity Chamber by Comparison Method	10 °C to 50 °C @ 50 % rh	0.7 °C



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3 of 8

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9	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Sensors with Indicator, Thermo-hygrometer	Using Humidity & Temperature Indicator with Sensor and Temperature & Humidity Chamber by Comparison Method	17 % rh to 90 % rh @ 25 °C	2.55 % rh
10	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Humidity Chamber / Environmental Chamber / Humidity Generator (Single Position)	Using Humidity & Temperature Indicator with Sensor by Comparison Method	10 °C to 50 °C @ 50 % rh	0.9 °C
11	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Humidity Chamber / Environmental Chamber / Humidity Generator (Single Position)	Using Humidity & Temperature Indicator with Sensor by Comparison Method	15 % rh to 90 % rh @ 25 °C	1.9 % rh
12	THERMAL-TEMPERATURE	RTD / Thermocouple with Indicator/ Controller/ Recorder / Data logger	Using 4 Wire RTD Sensor with Indicator and Temperature Bath by Comparison Method	(-) 30 °C to 400 °C	0.35 °C



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4 of 8

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13	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Furnace / Dry Block Bath (Single Position)	Using S Type Thermocouple with Indicator by Comparison Method	400 °C to 1200 °C	1.8 °C
14	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Liquid Bath / Autoclave (Non Medical use) / Oven (Single Position)	Using 4 Wire RTD Sensor with Indicator by Comparison Method	(-) 30 °C to 250 °C	0.72 °C
15	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Liquid Bath / Freezer / Cold Room Chamber (Single Position)	Using 4 Wire RTD Sensor with Indicator by Comparison Method	(-) 30 °C to 30 °C	0.72 °C
16	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Liquid Bath / Oven / Furnace / Dry Block Bath (Single Position)	Using 4 Wire RTD Sensor with Indicator by Comparison Method	250 °C to 400 °C	1.22 °C
17	THERMAL-TEMPERATURE	Thermocouple with Indicator/ Controller/Recorder/ Data logger	Using S Type Thermocouple with Indicator and Dry Block Temp. Furnace by Comparison Method	400 °C to 1200 °C	1.5 °C



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5 of 8

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Site Facility					
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6 of 8

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8	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Humidity Chamber / Environmental Chamber / Humidity Generator (Single Position)	Using Humidity & Temperature Indicator with Sensor by Comparison Method	10 °C to 50 °C @ 50 % rh	0.9 °C



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7 of 8

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11	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Furnace / Dry Block Bath (Single Position)	Using S Type Thermocouple with Indicator by Comparison Method	400 °C to 1200 °C	1.8 °C
12	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Liquid Bath / Autoclave (Non Medical use) / Oven (Single Position)	Using 4 Wire RTD Sensor with Indicator by Comparison Method	(-) 30 °C to 250 °C	0.72 °C
13	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Liquid Bath / Freezer / Cold Room Chamber (Single Position)	Using 4 Wire RTD Sensor with Indicator by Comparison Method	(-) 30 °C to 30 °C	0.72 °C



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15	THERMAL-TEMPERATURE	Thermocouple with Indicator/ Controller/Recorder/ Data logger	Using S Type Thermocouple with Indicator and Dry Block Temp. Furnace by Comparison Method	400 °C to 1200 °C	1.5 °C

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