



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

YOUNG ENGG & CALIBRATION SERVICES PRIVATE LIMITED, HOUSE NO 61, BYE LANE 7, BARTHAKUR MILL ROAD, ULUBARI, GUWAHATI, ASSAM, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

CC-4414

**Page No**

1 of 6

**Validity**

22/05/2025 to 21/05/2029

**Last Amended on**

-

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)( $\pm$ )
Permanent Facility					
1	THERMAL-TEMPERATURE	RTD / Thermocouple with or without Indicator / Controller, Temperature Switch with Indicator, Digital Thermometer, Temperature Gauge	Using RTD with Data Acquisition System & Dry Block Temperature Calibrator by Comparison Method	(-)25 °C to 140 °C	0.54 °C
2	THERMAL-TEMPERATURE	RTD / Thermocouple with or without Indicator / Controller, Temperature Switch with Indicator, Digital Thermometer, Temperature Gauge	Using RTD with Data Acquisition System & Dry Block Temperature Calibrator by Comparison Method	140 °C to 300 °C	1.42 °C
3	THERMAL-TEMPERATURE	Temperature Controller / Indicator / Recorder with sensor of Bath / Dry Block Calibrator (Single Position)	Using RTD with Data Acquisition System by Comparison Method	(-)25 °C to 30 °C	0.58 °C
4	THERMAL-TEMPERATURE	Temperature Controller / Indicator / Recorder with sensor of Bath, Furnace, Oven (Single Position)	Using RTD with Data Acquisition System by Comparison Method	30 °C to 300 °C	0.91 °C



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5	THERMAL-TEMPERATURE	Temperature Controller / Indicator / Recorder with Sensor of Bath, Furnace, Oven (Single Position)	Using R Type Thermocouple with Data Acquisition System by Comparison Method	300 °C to 1200 °C	4.12 °C
6	THERMAL-TEMPERATURE	Thermal Chamber, Bath, Oven, Furnace (Multi-Position)	Using RTD (minimum 9 sensor) with Data Acquisition System by Comparison Method	30 °C to 250 °C	3.62 °C
7	THERMAL-TEMPERATURE	Thermal Chamber, Freezer (Multi-Position)	Using RTD (minimum 9) with Data Acquisition System by Comparison Method	(-)20 °C to 20 °C	3.62 °C
8	THERMAL-TEMPERATURE	Thermocouple with or without Indicator / Controller, Temperature Switch with Indicator, Digital Thermometer, Temperature Gauge	Using R type Thermocouple with Data Acquisition System & Dry Block Calibrator by Comparison Method	300 °C to 600 °C	3.34 °C



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