



NABL

Department of Science & Technology, India

SCOPE OF ACCREDITATION

Laboratory	Classic Instrumentation Pvt. Ltd., C-45, Sector-65, Noida		
Accreditation Standard	ISO/IEC 17025:2005		
Discipline	Thermal Calibration	Issue Date	01.08.2012
Certificate Number	.C-0212	Valid Until	31.07.2014
Last Amended on	-	Page	1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
TEMPERATURE			
1. THERMOMETERS/ RTD WITH OR WITHOUT INDICATOR ³	-30°C to 50°C	0.6°C	Using PT 100 x I 4 Wire RTD, Liquid Bath by Comparison Method
2. RTDs /TCs WITH OR WITHOUT INDICATOR ³	-30°C to 400°C	0.6°C	Using PT 100 x I 4 Wire RTD, Dry Block Calibrators: (CI/LAB1/DTC/X) and (CI/LAB1/DTC/Y) & Indicator (Make CIE)
3. J/K TYPE TCs WITH OR WITHOUT INDICATOR; TEMP. GAUGE; DATA LOGGER WITH J/K TYPE TC ³	50°C to 950°C	1.8°C	Using K-Type Thermocouple with Indicator, Dry Block Calibrator (CI/LAB1/DTC/Z)
4. TEMP. CALIBRATOR (LIQUID BATHS/ DRY BLOCKS)/ ENV.CHAMBER/ OVEN/ AUTOCLAVE/ FURNACE ³	-30°C to 50°C	0.6°C	Using PT 100 XI 4 wire RTD, Single Position Calibration Sensor ID: TPRT 55
	50°C to 400°C	0.6°C	Sensor ID: TPRT 55
	50°C to 950°C	2.0°C	Using K-Type TC with Indicator Sensor ID : TPRT ; Indic. Sr. No. 0700090003
	200°C to 1200°C	3.0°C	R-Type Type TC With Indicator Sensor ID : TPRT ; Indic. Sr. No. 0700090003


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<u>HUMIDITY</u>			
5. HYGROMETER/ HUMIDITY METER ¹	16% to 90%	1.5%	Using Humidity Sensor with Digital RH Indicator and Humidity Calibration System
9. HUMIDITY CHAMBER ²	16% to 90%	1.5%	Using Humidity Sensor with Digital RH Indicator and Humidity Calibration Standard

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

¹ Only in Permanent Laboratory.

² Only for Site Calibration.

³ The laboratory is also capable for site calibration however; the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.


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