

Laboratory	Testing & Calibration Lab, 204, Diamond Industrial Estate No. 2, Ketki Pada Road, (Near Dahisar Toll Naka), Dahisar (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Thermal Calibration	Issue Date	19.08.2014
Certificate Number	C-0809	Valid Until	18.08.2016
Last Amended on	-	Page	1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. TEMPERATURE			
1. RTD/THERMOCOUPLE WITH OR WITHOUT INDICATOR, LIQUID IN GLASS THERMOMETER, DIAL THERMOMETER \$	-38°C to 35°C >35°C to 250°C	0.2°C 0.21°C	Using PRT Sensor with Reference Thermometer and Liquid Bath, Comparison Method.
2. RTD/THERMOCOUPLE WITH OR WITHOUT INDICATOR, DIAL THERMOMETER #	50°C to 400°C	0.28°C	Using PRT Sensor with Reference Thermometer and Dry well Bath, by Comparison Method.
	400°C to 600°C 600°C to 1000°C	1.71°C 2.75°C	Using S-Type Thermocouple with Reference Thermometer and Dry well Bath by Comparison Method.
3. RTD/THERMOCOUPLE WITH OR WITHOUT INDICATOR, DIAL THERMOMETER #	-20°C to 140°C	0.4°C	Using PRT Sensor with Reference Thermometer and Dry Black Calibrator by Comparison Method. (Single Point Calibration)
4. INDICATOR OF TEMPERATURE BATH/OVEN/FURNACE#	-38°C to 400°C	0.6°C	Using PRT Sensor with Reference Thermometer. Comparison Method. (Single Point Calibration)
	400°C to 600°C 600°C to 1000°C	1.9°C 2.8°C	Using S-Type Sensor with Reference Thermometer. Comparison Method

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	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
5.	OVEN / FURNACE[#]	-39°C to 250°C	3.7°C	Using PT-100 RTD sensors with Data Logger. By Nine Position Spatial Mapping w.r.t. Centre
II. RELATIVE HUMIDITY				
1.	RH INDICATOR OF HUMIDITY CHAMBER[#]	35%RH to 95%RH @25°C	4%RH	Using Digital Thermo Hygrometer (Single Point Calibration)

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

^{\$}Only in Permanent Laboratory

^{*}Only for Site Calibration

[#] The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.