

Laboratory Premier Instruments, 217/219, Acharya Commercial Centre, Dr. C.G. Road, Chembur (E), Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Discipline Thermal Calibration **Issue Date** 27.12.2015

Certificate Number C-0548 **Valid Until** 26.12.2017

Last Amended on 06.01.2016 **Page** 1 of 1

Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (\pm)	Remarks
I. TEMPERATURE			
1. RTD sensors/ Thermocouple sensors with or without Temperature Indicator, Digital Thermometer #	50 °C to 300 °C	0.77 °C	Using RTD Sensor, and 6.5 D.M.M and Dry Block Furnace by Comparison Method
	300 °C to 1000 °C	2.2 °C	Using R Type Thermocouple and 6.5 D.M.M &
	1000 °C to 1200 °C	3.1 °C	Dry Block Furnace by Comparison Method
2. Temperature Indicators with sensor of Dry Block Furnace, Chamber, Oven, Furnace *	50 °C to 300 °C	0.77 °C	Using RTD Sensor and 6.5 D.M.M, 'R' Type Thermocouple and 6.5 D.M.M by Single Position
	300 °C to 1000 °C	2.1 °C	
	1000 °C to 1200 °C	3.2 °C	
3. Calibration of Oven, Furnace *	50 °C to 300 °C	3.6 °C	Using 'K'/'N' type Thermocouples with Data logger Multi position calibration
	300 °C to 1000 °C	6.4 °C	
	1000 °C to 1200 °C	6.7 °C	

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

*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.

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