

Laboratory	Adarsha Calibration Services, 204/4, Ullal, Sir.M. Vishveswaraiya Layout, Bangalore, Karnataka		
Accreditation Standard	ISO/IEC 17025:2005		
Discipline	Thermal Calibration	Issue Date	29.09.2014
Certificate Number	C-1137	Valid Until	28.09.2016
Last Amended on	18.01.2016	Page	1 of 2

Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (±)	Remarks
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I. TEMPERATURE:

1. Temperature \$ RTDs, RTD with indicators, Thermocouple, thermocouple with indicator, Digital thermometer, Recorder with sensor, Temperature gauges, Switches, Transducer, Transmitter	-80 °C to 400 °C 400 °C to 1000 °C 1000 °C to 1200 °C	0.18 °C to 0.30 °C 1.5 °C to 1.7 °C 1.7 °C to 2.6 °C	Using RTD PT100 With Digital Indicator/ Type-S Thermocouple with Digital Indicator By Comparison Method & low Temperature bath & Dry Block Calibrator
2. HUMIDITY \$ Humidity Thermo hygrometer, Temperature humidity graph, temperature & humidity meter, Humidity indicator	15 °C to 50 °C 30 % RH to 95 % RH	0.4 °C 1.0 % RH	Using Temperature & Humidity meter By Comparison method Using Temperature & RH Generator
3. Temperature * RTDs, RTD with indicators, Thermocouple, thermocouple with indicator, Digital thermometer, Recorder with sensor, Temperature gauges, Switches, Transducer, Transmitter	(-)80 °C to 400 °C 400 °C to 1000 °C 1000 °C to 1200 °C	0.18 °C to 0.30 °C 1.5 °C to 1.7 °C 1.7 °C to 2.6 °C	Using RTD PT100 With Digital Indicator/Type-S Thermocouple with Digital Indicator By Comparison method & low Temperature bath & Dry Block Calibrator

Neeraj Verma
Convenor

Avijit Das
Program Manager

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4.	Oven, Incubator, Chamber, Baths, Freezers, Autoclave * (Only temperature)'	(-)80 °C to 300 °C	0.3 °C to 0.4 °C	Using RTD PT 100 with indicator By Comparison Method
5.	Temperature Chamber, Freezer, Cold Room, Autoclave, sterilizer, Incubators, Oven * (Mapping)	(-)40 °C to 200°C	0.5°C	Using RTD Sensors PT100 along with Paper less Recorder By Comparison Method
6.	Furnace * (Single point)	400 °C to 1000°C 1000 °C to 1200°C	1.5 °C 2.5 °C	Using S type Thermocouple with Indicator By Comparison Method
7.	Furnace * (Mapping)	300 °C to 600 °C 600 °C to 1000 °C 1000 °C to 1200 °C	1.8 °C 1.9 °C 2.9 °C	Using N type Thermocouple with Paperless Recorder By Comparison Method
8.	HUMIDITY * Humidity Chambers	25 % RH to 95 % RH	0.9 % RH	Using Temperature & Humidity Meter By Comparison Method

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

\$Only in Permanent Laboratory

*Only for Site Calibration

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