



# NABL

**Department of Science & Technology, India**

## SCOPE OF ACCREDITATION


Laboratory	R&D Instrument Services, No. 5/3A, Poomagal 3 <sup>rd</sup> Street, Ambal Nagar, Ekkattuthangal, Chennai		
Accreditation Standard	ISO/IEC 17025:2005		
Field	Thermal Calibration	Issue Date	15.10.2010
Certificate Number	C-0674	Valid Until	14.10.2012
Last Amended on	27.12.2011	Page	1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
----------------------------------	-------------------	--	---------

### AT LABORATORY

#### TEMPERATURE

1. GLASS THERMOMETERS	-20°C to 90°C	0.34°C	Using Standard RTD, Liquid bath and Precision calibrator By Comparison Method
2. RTD'S, THERMOCOUPLES, TEMPERATURE GAUGES, DIGITAL THERMOMETERS, TEMPERATURE INDICATORS WITH SENSORS	-20°C to 90°C	0.20°C	Using Semi standard RTD, Thermocouple, Liquid bath, Dry block calibrator and Precision calibrator By Comparison Method
	90°C to 650°C	0.43°C	
	650°C to 1000°C	2.10°C	
	1000°C to 1200°C	2.7°C	
3. TEMPERATURE BATH, DRY BLOCK CALIBRATOR	-20°C to 90°C	0.20°C	Using Semi standard RTD, Thermocouple, Liquid bath, Dry block calibrator and Precision calibrator By Comparison Method
	90°C to 650°C	0.43°C	
	650°C to 1000°C	2.3°C	
	1000°C to 1200°C	2.7°C	

  
Convenor



# NABL

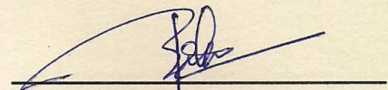
**Department of Science & Technology, India**

## SCOPE OF ACCREDITATION

Laboratory	R&D Instrument Services, No. 5/3A, Poomagal 3 <sup>rd</sup> Street, Ambal Nagar, Ekkattuthangal, Chennai		
Accreditation Standard	ISO/IEC 17025:2005		
Field	Thermal Calibration	Issue Date	15.10.2010
Certificate Number	C-0674	Valid Until	14.10.2012
Last Amended on	27.12.2011	Page	2 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b>AT SITE</b>			
4. RTD'S, THERMOCOUPLES, TEMPERATURE GAUGES, DIGITAL THERMOMETERS, TEMPERATURE INDICATORS WITH SENSORS	-20°C to 90°C	0.52°C	Using RTD, Thermocouple, Liquid bath, Dry block calibrator and Data acquisition By Comparison Method
	90°C to 300°C	0.7°C	
	300°C to 650°C	1.9°C	
	650°C to 1000°C	2.2°C	
1000°C to 1200°C	2.90°C		
5. OVEN	50°C to 300°C	4.4°C	Using Master Thermocouple, Data acquisition By Comparison Method
6. CHAMBER	-5°C to 100°C	2.3°C	Using Thermocouple, Data acquisition by Comparison Method

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

  
Convenor