

Laboratory Sarrc Test House, Plot No-100, Sector 29, Faridabad, Haryana

Accreditation Standard ISO/IEC 17025: 2005

Discipline Thermal Calibration **Issue Date** 28.01.2015

Certificate Number C-0705 **Valid Until** 27.01.2017

Last Amended on 23.02.2015 **Page** 1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
I. TEMPRATURE			
1. TEMPERATURE CONTACT TYPE SENSORS (FOR CALIBRATION OF RTD, T/C'S, DIGITAL TEMPERATURE, INDICATORS, TEMPERATURE BATH) WITH & WITHOUT INDICATOR \$	(-) 30°C to 50 °C	0.19 °C	Using RTD-4 Wire and DMM-6½, by Source-CALsys -30/50
	50 °C to 250 °C	0.20 °C	Using RTD-4 Wire and DMM-6½, by Source-CALsys -300.
	250 °C to 1000°C	1.56 °C	Using Thermocouple S Type and DMM-6½, by Source-CALsys -1200
	1000 °C to 1200°C	2.40 °C	Using Thermocouple S Type and DMM-6½, by Source-CALsys -1200
2. THERMOMETERS/ TEMPERATURES GAUGES \$	(-) 30 °C to 250 °C	0.30 °C	Using RTD-4 Wire and DMM-6½, by Source-CALsys -300.
3. TEMPERATURE CONTACT TYPE SENSORS (FOR CALIBRATION OF RTD, T/C'S, DIGITAL TEMPERATURE, INDICATORS, TEMPERATURE BATH) WITH & WITHOUT INDICATOR*	(-) 30°C to 50 °C	0.20 °C	Using RTD-4 Wire and DMM-6½, Source-CALsys - 30/50
	50 °C to 250 °C	0.30 °C	Using RTD-4 Wire and DMM-6½, by Source-CALsys -300.
	250 °C to 1000°C	1.56 °C	Using Thermocouple S Type and DMM-6½, by Source-CALsys -1200
	1000 °C to 1200°C	2.40 °C	Using Thermocouple S Type and DMM-6½, by Source-CALsys -1200
4. THERMOMETERS/ TEMPERATURES GAUGES*	(-) 30 °C to 250 °C	0.30 °C	Using RTD-4 Wire and DMM-6½, by Source-CALsys -300.

Vishal Shukla
Convenor

Avijit Das
Program Manager

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	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
II.	SPECIFIC HEAT & HUMIDITY			
1.	HUMIDITY: I- INDICATORS II- CHAMBERS^{\$}	20 to 90% RH	1.4% RH	Using Digital Hygrometer by Source Humidity Chamber-HC-01
2.	HUMIDITY: CHAMBERS[*]	15 to 90% RH	1.52% RH	Using Digital Hygrometer.

* 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.

Vishal Shukla
Convenor

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