

Laboratory	Adcon Test & Calibration Lab, 44, Udyog Vihar, Phase-I, Gurgaon, Haryana		
Accreditation Standard	ISO/IEC 17025:2005		
Discipline	Thermal Calibration	Issue Date	17.03.2016
Certificate Number	C-0218	Valid Until	16.03.2018
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Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (\pm)	Remarks
I. TEMPERATURE			
1. Calibration of Thermocouples/RTDs with & without read unit, Temperature Gauges, Temperature sensor with transmitter, Glass Thermometers \$	(-)40 °C to 0 °C	0.1 °C	Using Master RTD, 6 ¹ / ₂ DMM, Liquid Bath. by Comparison Calibration
	0 °C to 300 °C	0.1 °C	Using Master RTD, 6 ¹ / ₂ DMM, Liquid/Oil Bath by Comparison Calibration
2. Calibration of Thermocouples/RTDs with & without read unit, Temperature Gauges, Temperature sensor with transmitter \$	300 °C to 1000 °C	1.4 °C	Using 'S' type thermocouple, 6 ¹ / ₂ DMM, high temperature Furnace by Comparison Calibration
	1000 °C to 1200 °C	3.1 °C	Using 'S' type thermocouple, 6 ¹ / ₂ DMM, high temperature Furnace by Comparison Calibration
	1200 °C to 1450 °C	4.3 °C	Using 'S' type thermocouple, 6 ¹ / ₂ DMM, high temperature Furnace by Comparison Calibration
3. Calibration of Thermocouples/RTDs with & without read unit, Temperature Gauges, Temperature sensor with transmitter*	50 °C to 300 °C	0.2 °C	Using RTD sensor, 6 ¹ / ₂ DMM, Liquid / Oil Bath. by Comparison Calibration
	300 °C to 1000 °C	2.2 °C	Using 'S' type thermocouple, 6 ¹ / ₂ DMM, high temperature Furnace. by Comparison Calibration

Shally Sharma
Convenor

Avijit Das
Program Manager

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4. Calibration of Oven/Incubator/ Freezer/Baths/ Chamberb *	(-)40 °C to 300 °C	1.7 °C	Using Multi channel Data Logger with RTD sensors. Multi Position Calibration
5. Calibration of Furnace *	300 °C to 1000 °C	5.1 °C	Using Multi channel Data Logger with Thermocouples. Multi Position Calibration
II. HUMIDITY			
1. Calibration of Relative Humidity Indicator/Hygrometer #	15 % to 95 % RH @ \approx 25 °C	1.7 % RH	Using Digital temperature & humidity indicator Humidity generator with chamber. by Comparison Calibration
2. Humidity Indicator of Temperature / Humidity Chamber, Environmental Chamber etc *	15 % to 95 % @ \approx 25 °C	1.7 % RH	Using Digital temperature & humidity indicator Single Position 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.

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