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Department of Science & Technology, India

SCOPE OF ACCREDITATION

Laboratory	**Ahmedabad Textile Industry's Research Association (ATIRA), Dr. Vikram Sarabhai Road, P.O. Ambawadi Vistar, Ahmedabad, Gujarat**		
Accreditation Standard	**ISO/IEC 17025:2005**		
Discipline	**Thermal Calibration**	**Issue Date**	**21.10.2012**
Certificate Number	**C-0682**	**Valid Until**	**20.10.2014**
Last Amended on	**05.12.2013**	**Page**	**1 of 2**

	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
I. TEMPERATURE				
1.	**TEMPERATURE SENSORS[5] (J,K,R,S Type TC and RTD) with or without indicator**	-65°C to 50°C	0.21 °C	Using SPRT/RTD with Temperature Indicator Neslab ULT-80 Bath/ Ametek Dry Block/ JULABO Bath FP-50 by Comparison Method
	Glass Thermometer, Temperature Gauge	50°C to 300°C	0.33 °C	Using SPRT/RTD with Temperature, Indicator Ametek Dry Block/ JULABO Bath FP-50 by Comparison Method
	Temperature Transmitter with Sensor	300°C to 390°C	0.44 °C	Using SPRT/RTD with Indicator Ametek Dry Block 650SE by Comparison Method
2.	**TEMPERATURE SENSOR WITH INDICATOR* (Oven, Incubator, Water/Oil Bath, BOD/ COD/ Biologial, Temp Chambers, Dry Block, Freezer/ Bath, Refrigerator, Deep Freezer)**	-24°C to 390°C	1.92 °C	Using RTD with Temperature Indicator (Single Point Calibration)

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	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
3.	**TEMPERATURE SENSORS[#] (J,K,R,S Type TC and RTD) with or without indicator**	390 °C to 1200 °C	2.40°C	Using SPRT/R-Type Thermo couple sensor with Indicator TESTO-177-T4 & Ametek Dry Block CTC 1200 A by Comparison Method
4.	**THERMO-HYGROMETER[$]**	20%RH to 95%RH	2.5%	Using Standard Humidity salts & Humidity Meter

*** Measurement Capability is expressed as an uncertainty (±) 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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