

Laboratory Absolute Instruments Calibration Services, 106, First Floor, Lav-Kush Complex, Mavdi Main Road, Rajkot, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2973 Page 1 of 3

Validity 14.03.2019 to 13.03.2021 Last Amended on -

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>ELECTRO-TECHNICAL CALIBRATION</u>				
I.	SOURCE			
1.	TEMPERATURE SIMULATION # (Temperature Indicator, Controller, Recorder)			
	PT-100 RTD- Thermocouple	(-)200 °C to 800 °C	0.69°C	Using Universal Temperature Calibrator (MASIBUS TCS 4070.) By Direct Method.
	K- Type Thermocouple	0 to 1200 °C	1.06°C	
	J- Type Thermocouple	0 to 760°C	0.71°C	
	R- Type Thermocouple	0 to 1700°C	1.53°C	
	S- Type Thermocouple	0 to 1700°C	1.51°C	
	T- Type Thermocouple	(-)50°C to 400°C	1.12°C	

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Page

2 of 3

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<u>THERMAL CALIBRATION</u>				
I.	TEMPERATURE			
1.	RTD & Thermocouple Sensor With And Without Indicators/ Controller/Data Logger #	50°C to 250°C	0.79°C	Using RTD /S Type Thermocouple with Indicator, Dry Block Furnace, Masibus (4070) By Comparison Method
2.	Thermocouple Sensor, with/without Indicator/Controller/ Data logger, Temperature Indicator with sensor of furnace & Oven. #	250°C to 1200°C	3.1°C	Using S Type Thermocouple with Indicator, Dry Block Furnace, Masibus (4070) By Comparison Method
2.	Temperature Indicator, Controllers, Data Loggers, with Sensor of furnace & Oven. * (Single Point)	250°C to 1000°C	2.4°C	Using S Type Master Thermocouple with Indicator By Comparison Method

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Certificate Number CC-2973 **Page** 3 of 3

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
4.	Calibration of Furnaces, Ovens. (Multi Point Calibration) *	400°C to 1200°C	5.96°C	Using Multi Channel Data Logger with N Type Thermocouple By Comparison Method

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

*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.