

Laboratory Sai Calibration & Testing Engineers, D-505, Aditya Sunshine,  
57/P- Kondapur, Hyderabad, Telangana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2658 (in lieu of C-0198 & C-0367)

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Validity 01.05.2018 to 30.04.2020

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b><u>ELECTRO-TECHNICAL CALIBRATION</u></b>				
<b>I.</b>	<b>SOURCE</b>			
1.	Temperature Simulation* (Indicator/Controller/Recorder)			
	J Type Thermocouple	0 °C to 500 °C	0.7 °C	Using Universal Calibrator UNICAL 3001M by Direct Method
	K Type Thermocouple	0 °C to 1200 °C	0.96 °C	
	N Type Thermocouple	350 °C to 1200 °C	1.22 °C	
	R Type Thermocouple	0 °C to 1600 °C	1.46 °C	
	S Type Thermocouple	0 °C to 1600 °C	1.32 °C	
2.	RTD Input*	0 °C to 550 °C	0.61 °C	Using Universal Calibrator UNICAL 3001M by Direct Method
3.	DC voltage*	10 mV to 75 mV	0.07 mV to 0.09 mV	Using Universal Calibrator UNICAL 3001M by Direct Method

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Dheeraj Chawla  
Convenor

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Avijit Das  
Program Manager

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<b><u>THERMAL CALIBRATION</u></b>				
<b>1.</b>	<b>TEMPERATURE</b>			
1.	Temperature Gauge* (Dial Type) Glass Thermometer	50 °C to 200 °C	0.9 °C	Using SPRT Universal Calibrator Oil Bath by Comparison Method
2.	Temperature Thermocouple with or without Indicator*	50 °C to 200 °C 200 °C to 550 °C 550 °C to 1000 °C 1000 °C to 1200 °C	0.7 °C 1.2 °C 1.9 °C 2.4 °C	Using SPRT & Standard S Type Thermocouple with Universal Calibrator Dry Block Furnace by Comparison Method
3.	Temperature RTD Sensor with or without Indicator*	50 °C to 200 °C 200 °C to 300 °C	0.7 °C 0.9 °C	Using SPRT, Universal Calibrator Oil Bath & Dry Block Furnace by Comparison Method

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

\*Only for Site Calibration

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