

Calibration Certificate No. : TL/221/933.1.2  
ULR No. : CC284021000005018F

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<b>M/S NATIONAL CENTRE FOR QUALITY CALIBRATION</b> 4, ABHISHREE CORPORATE PARK, NEAR SWAGAT BUNGALOW BRTS, ISKCON-AMBLI ROAD, AMBLI, AHMEDABAD – 380058 GUJARAT, INDIA	<b>J.O.NO.</b>	: T/220/2/2113011237
	<b>Received Date</b>	: 18/09/2021
	<b>Calibration Date</b>	: 18/09/2021
	<b>Next Cali. Due Date</b>	: 17/09/2022
	<b>Certificate Issue Date</b>	: 18/09/2021

**UUC Description :**

<b>Output</b>	: DIGITAL
<b>Item</b>	: NON CONTACT PYROMETER
<b>Calibration Required At</b>	: 50, 100, 200 & 250 °C
<b>Inst. Sr. No.</b>	: E6112041113
<b>Inst. Id. No.</b>	: NCQC/T-97
<b>Make &amp; Model</b>	: AST & TCT-500
<b>Range</b>	: -60 to 500 °C
<b>Least Count</b>	: 0.1/1 °C
<b>Emissivity</b>	: 0.95
<b>Condition of Item</b>	: Satisfactory
<b>Location</b>	: At Lab

**Calibration Procedure :** The UUC was checked on a Black Body Furnace which was allowed to be stable at specified temperature points. The reading of Standard and UUC were recorded. The report provides the reading and deviation. As per Work Instruction No. : WI-LAB-1

The pyrometer has been compared with the following working standards of sensor & measuring instrument.

Standards	Traceable To	Certificate No.	Valid Up to
Master RTD Calsys 500BB	TEMPESENS, UDAIPUR	TL/021/841.1.1	26.08.2022
PRECISION THERMOMETER	YMPL, UDAIPUR	YMPL/329553/117617	22.06.2022

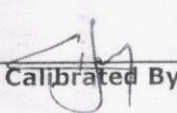
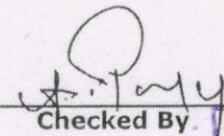
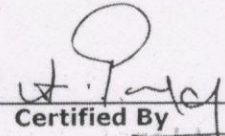

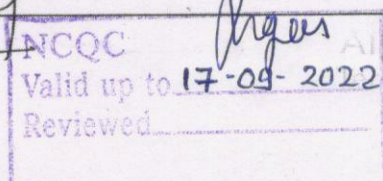
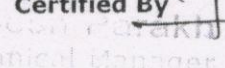
The Standards used for calibration is traceable to National / International Standard.  
The Results of calibration are as under :

Sr. No.	Standard Sensor °C	UUC °C	Dev. °C	Expanded uncertainty (±°C)
1	49.91	50.3	0.39	1.80
2	99.86	100.9	1.04	1.80
3	198.48	199.7	1.22	1.80
4	249.54	251	1.46	1.80

Temperature Scale: ITS-90

Ambient Temp. : 25±2 °C

Relative Humidity : 50±20 %RH

 Calibrated By	 Checked By	 Certified By
		

- Note:**
- (1) The calibration results reported in this certificate are valid at the time of and under the stated condition of measurement for the particular sample.
  - (2) The report shall not be reproduced except in full, without written permission of the laboratory
  - (3) Coverage factor "k" = 2 at approx 95.45% confidence level.
  - (4) Next Calibration Due Date mentioned as per customer requirement