



EIE INSTRUMENTS PVT. LTD.

(NABL Accredited Laboratory as per ISO/IEC 17025)



CC-2222

CALIBRATION CERTIFICATE

Certificate No.:-	EIE/T/221082	ULR No:- CC222222500001067F		Page No 1 of 2
SRF No:	Job Card No:	Calibration Date	Recommended Calibration Date	Certificate Issue Date
EIE/221433	225182	26/09/2022	25/09/2023	26/09/2022

Customer Name & Address : NATIONAL CENTER FOR QUALITY CALIBRATION
4, ABHISHREECORPORATE PARK, NR. SWAHAT BUNGALOWS BRTS,
ISKON - AMBLOI ROAD, AMBLI, AHMEDABAD - 380058 GUJARAT.

Instrument received on : 26/09/2022

Details of Unit Under Calibration

Name of Instrument	: PT-100X1, SIMPLEX, 4 WIRE RTD WITH INDICATOR			
Indi. Make / Model	: Teempsens / Tempmet -09	Inst. Sr. No / ID. No.	: 22000184 / NCQC/T-234	
Range	: -196 to 400 °C	Indi. Sr. No / ID. No.	: 18K587909 / NCQC/T-178	
Resolution	: 0.001 °C	Accuracy	: Class - A	
Calibration Points	: -80, -40, 0, 100, 200, 400 °C	Immersion Depth	: 150 mm	
Length / Dia of Sensor	: 450 mm / 6 mm	Location	: LAB	

Condition on Receipt : Good
Calibration Location : Thermal Calibration Laboratory
Reference Work Instruction Number : EIEW/T/001
Environmental condition : Temperature - (25 ± 3) °C
Humidity - (40 to 60) % RH

Standard Used :

Nomenclature	Range	Make / ID No	Uncertainty	Certificate No	Calibration Due Date	Traceable By
Digital Thermometer Read out (Chub E-4)	0 to 400 Ω	Fluke / EIE/CAL/DTR/01	±0.012 Ω @400 Ω	C&IJ/CAL/ 22-02/007	04/02/2023	C & I Rajasthan
Semi Standard Platinum Resistance Thermometer	-200 to 670 °C	Tempens/ EIE/CAL/SSPRT/01	± 0.0198 °C @ 660.323 °C	M-220609-11-1	25/06/2023	Godrej, Mumbai

The Standards used are traceable to National / Internation standards

Calibrated By

Bipin Goswami
Sr. Calibration Engineer



Approved By

Bhadresh Patel
Calibration Head

EIE/F/LAB/022.05 Issue Date 01/10/2022

NCQC System Certificate No 398

Valid up to 25-09-2023
Reviewed: [Signature]

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency
Near Gujarat College, Ellisbridge,
Ahmedabad-380 006
Phone (079) 6621 1234
Website www.eieinstruments.com

Calibration Laboratory:

B-14, Zaveri Industrial Estate Opp. Shyam Villa,
Singarva-Kathwada Road,
Kathwada, Ahmedabad-382 430
Phone (079) 6604 0660 * Fax (079) 6604 0600
E-mail info@eieinstruments.com

GST TIN No. 24AABCE4018L1ZU
I.T. PAN No. AABCE 4018L
IEC No. 0813026598 Dt. 04/03/2014
CIN No. U29199GJ2004PTC045078



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SRF No:	Job Card No:	Calibration Date	Recommended Calibration Due Date	Certificate Issue Date
EIE/221433	225182	26/09/2022	25/09/2023	26/09/2022

Calibration Observation table : (Thermal Calibration)

Sr. No.	Calibration point	Reading on Standard *	Reading Observed on UUC *	Error	± Expanded Uncertainty
	°C	°C	°C	°C	°C
1	-80	-79.919	-79.985	-0.066	0.09
2	-40	-39.911	-39.990	-0.079	0.09
3	0	0.029	-0.057	-0.086	0.09
4	100	100.018	99.920	-0.098	0.09
5	200	200.030	199.932	-0.098	0.13
6	400	400.050	399.945	-0.105	0.59

Remarks:

- (*) Indicates average of five readings.
- Recommended due date is given based on customer requirements.
- Calibration points Mentioned as per the Customer requirement
- Calibration is performed as per Temperature Scale ITS-90.
- The calibration results reported in this certificate are valid at the time of calibration
- The Reported measurement uncertainty is estimated at a level of confidence of approximately 95% at k=1.96
- The value has been rounded - off as per IS 2:1960 wherever applicable.
- UUC: Unit Under Calibration.

Notes:

- This calibration certificate refers only to the particular item(S) submitted for calibration.
- This certificate shall not be re-produced, except in full without the prior permission from **EIE INSTRUMENTS PVT. LTD.**

Calibrated By

Bipin Goswami
Sr. Calibration Engineer



EIE/F/LAB/022.05 Issue Date 01/01/2022

Approved By

Bhadresh Patel
Calibration Head

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