



Since 1998

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NATIONAL CENTRE FOR QUALITY CALIBRATION

4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon-Ambli Road, Ambli, Ahmedabad-380 058
 Ph. +91-79-29795322, 29795323 • Fax : +91-79-29795323, Cell No. +91-9327017517, +91-9328616370
 E-mail : ncqc@calibrationlaboratory.in • calibrationlab.ncqc@gmail.com
 Visit our Web Site : www.calibrationlaboratory.in



CC-2128

Precision Calibration with National / International Traceability for Temperature, Dimensional, Pressure, Vacuum, Time; Mass, Electrical, Noise, Airflow, Lux & all Special Purpose Instruments in all ranges.

Calibration Certificate				F/CR/T/002/04 Issue No. 02		
Name of Customer		Certificate No.		NCQC-T/190923/001		
National Centre for Quality Calibration		Date of Issue		20/09/2023		
4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat		Date of Calibration		19/09/2023		
		Suggested Due Date		18/09/2024		
		Date of Receipt / Ref.No.: 19/09/2023				
ULR No. : CC212823000007736F		Discipline : Thermal Calibration Temperature				
Details of Observation of Unit Under Calibration		Identification No. : Sensor ID No : NCQC/T - 235 & Indicator ID No: NCQC/T-236				
		Serial No. : Sensor Sr No : 23000299 & Indicator Sr No: T0064				
		Name of Instrument : PT100X1, Simplex, 4 Wire RTD With Indicator				
Range	-196 to 400 °C	Initial Error	Nil			
Resolution	0.001 °C	Visual Inspection	OK			
Make / Model	AS Per Remarks	Accuracy	Class A			
Location	Laboratory	Type / Size	Pt-100			
Loc. of Calibration	At Laboratory	Std. Ref. Used	DKD-R-5-1, ASTM E220			
Environment Cond.	25 ± 5 °C, 30 to 75 % Rh	Cali. Method No.	NCQC/CM/T/002			
Actual Env. Cond.	25.2 °C 51.0 %Rh					
Master Instruments Detail						
NCQC SYS.NO.	Nomenclature	Make/ Model	Id / Serial No.	Traceable To	Certificate No.	Valid Upto
439	SSPRT	Fluke / 5609	NCQC/T-264 / 08763	Fluke Calibration	4500022817-1	19/12/2023
441	Super DAQ Precision Temperature Scanner	Fluke / 1586A	NCQC/T-237 / 58995033	Fluke Calibration	1500340374-1	22/09/2023
Calibration Results						
Reading observed by UUC in °C	Reading observed by Master instrument in °C	Absolute Error in °C	Expanded Uncertainty in °C (k=2)			
			±			
-195.719	-195.833	0.114	0.20			
-79.634	-79.816	0.182	0.42			
-30.256	-30.122	0.134	0.08			
0.125	0.072	0.053	0.08			
100.265	100.161	0.104	0.08			
200.413	200.226	0.187	0.25			
399.619	399.855	0.236	0.25			
Traceable To National / International Standards.						
Calibrated By		Reviewed & Approved By				
Himanshu Parbadiya Calibration Engineer		Vishal Chauhan Calibration Incharge				

NCQC System Certificate No. 435

NCQC DEFINES CALIBRATION AS "PRECISION AND RELIABILITY OF INSTRUMENTS FOR YOUR BETTER TOMORROW"

NCQC System Certificate No. 435

NCQC
 valid up to 18-09-2024
 Reviewed



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Calibration Certificate		F/CR/T/002/04 Issue No. 02
Name of Customer National Centre for Quality Calibration 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat	Certificate No. NCQC-T/190923/001 Date of Issue 20/09/2023 Date of Calibration 19/09/2023 Suggested Due Date 18/09/2024	
		Date of Receipt / Ref.No.: 19/09/2023
ULR No. : CC212823000007736F	Discipline : Thermal Calibration Temperature	
Details of Observation of Unit Under Calibration	Identification No. : Sensor ID No : NCQC/T - 235 & Indicator ID No: NCQC/T-236 Serial No. : Sensor Sr No : 23000299 & Indicator Sr No: T006-4 Name of Instrument : PT100X1, Simplex, 4 Wire, RTD With Indicator	
Remarks: <ul style="list-style-type: none"> Make/Model : Sensor: Tempsens/==; Indicator: Tempsens/Tempmet 09-02 Averages of minimum five readings are reported. Identification Of Calibration: Recalibration. Length & Diameter: 450 mm & 4 mm. AS Left: No Adjustment Done, AS Found Data Is Left As it is. Correction Factor = Standard Reading - UUC Readings Suggested due date is given based on customer requirements Condition of instrument found satisfactory during receipt. These results are obtained at the time of calibration. Result relates to the item calibrated only. No external provider was used for calibration and hence it is not applicable. Calibration certificate shall not be reproduced except in full without written approval of Director, NCQC. Any hand written corrections (except @) or photocopies of the report invalidates this certificate. Reference calibration standard DKD-R-5-1, ASTM E220-13, EURAMET cg-8. The uncertainties are for a confidence probability of not less than 95% with coverage factor k = 2 Our masters are directly calibrated through NABL accredited calibration laboratory having direct traceability with National / international standard. Temperature Calibrator, Dry Block Calibrator were used as a source of generating temperature as well as controlling temperature at specified set point. Liquid Nitrogen was used for generating temperature of -196 °C 		
Traceable To National / International Standards.		
Calibrated By	 Himanshu Parbadiya Calibration Engineer	Reviewed & Approved By
		 Vishal Chauhan Calibration Incharge

NCQC System Certificate No. _____

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