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# TransCal Technologies LLP

Measurement to Perfection...



CC-2231

# 100, West Park Road (Between Sampige and Margosa Road)  
10th Cross, Malleshwaram, Bengaluru - 560 003

## CALIBRATION CERTIFICATE

Customer Name & Add. : M/s.

NATIONAL CENTRE FOR QUALITY CALIBRATION

4, ABHISHREE CORPORATE PARK, NR. SWAGAT BUNGLOW, BRTS, ISKCON-AMBLI ROAD, AMBLI, AHMEDABAD-380058, GUJARAT, INDIA.

SRF No. : TSC/23-24/16682

Dated : 09 Jan 2024

Cert. Issued Date :

13 Jan 2024

ULR.NO CC223124000003692F

Calibration Certificate Number	Calibrated Date	Calibration Due Date	Page Number
TSC/23-24/16682-1	10 Jan 2024	09 Jan 2025	1 of 2

Details of device under calibration

Transcal ID

: TSC467353

Nomenclature	: S Type Thermocouple with Multifunction Calibrator	No. of Pages	: 2
Make	: Tempsens / Beamex	Cal Procedure No.	: TSC/CAL/502
Model/Range	: MC2-TE	DUC Received	: 09 Jan 2024
SI No.	: 32896/16118	DUC Condition on Receipt	: Satisfactory
ID No.	: NCQC/T-17/NCQC/T-02	Cal At	: Thermal Lab
Calibrated By	: Naveen Kumar S R, Sr. Calibration Engineer		

Environmental Conditions : Temperature in °C : 24.8

Humidity in RH % : 51

Standards used :

SI No.	Nomenclature	Make	Model	SI No./ID.No.	Certificate No.	Validity
1	SPRT With Indicator	Fluke	5609/1524	01161 / 2024133	FL/C/TH/12042023-C001	18 Apr 2024
2	S Type Thermocouple with Indicator	Fluke	5650-20/1524	9813 / 2024133	TL/023/1293.1.1	17 Nov 2024

Note :

- This Calibration Certificate relates only to the above DUC & Reported results are valid at the time of and under the stated conditions of measurements.
- Partial Publication/ reproduction of this Certificate in any form is not permitted without the written consent of TransCal.
- Errors if any, in this Certificate shall be brought to notice within 45 days from the date of this Certificate
- Measurement Uncertainty reported is at approximately 95 % confidence level with k=2; Units of Measurement results & Measurement Uncertainty are same as that of range selected - Unless otherwise indicated.
- Calibration of the DUC is traceable to National/International Standards.
- Corrections/erasing invalidate the Calibration Certificate.
- Unless otherwise specified the Measurement Data reported is 'As Found'-Without any adjustment.
- The Decision Rule:  
Simple Conformity Decision: Decision without considering Measurement Uncertainty, "PASS" indicates measured value is within or on threshold of Tolerance limit/Accuracy. "FAIL" indicates measured value is beyond threshold of Tolerance limit/Accuracy. "-" indicates no tolerance limit/Accuracy furnished.

Valid up to 09/01/2025  
Reviewed: *Jg*

NCQC System Certificate No. 280



NCQC  
Valid up to 09-01-2025  
Reviewed: *Janani V*

Reviewed & Authorised By

*Janani V*  
(Sr. Calibration Engineer)

NCQC System Certificate No. 280



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CAL CERT. NO : TSC/23-24/16682-1

ULR.NO : CC22312400003692F

Page : 2 of 2

Range : 250 to 1500°C

Resolution: 0.01°C

Accuracy : Class I

Results:

Measurement of Temperature

Sl. No.	Std Reading (°C)	DUC Reading (°C)	Deviation Observed (°C)	Measurement Uncertainty in ± (°C)	Remarks
1	400.524	400.56	0.036	0.08	Pass
2	600.854	600.86	0.006	0.08	Pass
3	800.71	800.74	0.03	1.47	Pass
4	1000.34	1000.45	0.11	1.47	Pass
5	1199.86	1200.60	0.74	1.47	Pass

Conclusion/Remarks:

- 1 Calibration points are selected as per customer request.
- 2 Accuracy mentioned as per customer request

\*\*\* End of Certificate \*\*\*



Reviewed & Authorised By

Janani V  
(Sr. Calibration Engineer)