



# TransCal

Measurement to Perfection...

Main Bldg. Premises: Centenary Building (G. Flr), Door No. At: 100  
W. Park Rd., Between Samyighe Road And Margosa Rd.,  
10th Crs., Malleswaram, Bangalore City, Pin-560003



CAL CERT. NO. TSC / 23 - 24 / 13010-4 ULR No.CC /23123000126120F Page No: 2 of 2

## CALIBRATION CERTIFICATE

Customer Name & Address: **Ms. Testing Machine Service And Calibration Centre**  
"ANIMA" Apartment 1/1, Harisava Road,  
Barrackpore, Kolkata, West Bengal, IND-700112.

SRF No.TSC: / 23 - 24 / 13010  
ULR No.CC:23123000126120F

Dated : 09 Nov 2023

Cert Issue Date : 10 Nov 2023

CAL CERT. NO.	CALIBRATED ON	Calibration Due Date	PAGE NO.
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### Details of device under calibration (DUC):

Transcal Id: TSC45H540

DUC : Digital Temperature Indicator With Sensor	Cr I Procedure No	: TSC/CAL/501
Make : Yuxian	Nc. of Pages	: 2
Model : AI-500	DUC Received	: 09 Nov 2023
Sl. No : 18K588073	DUC Condition on Receipt	: Satisfactory
ID.No : TMSCCRTD/01	Cr I At	: Thermal Lab, TRANSCAL

Calibrated by : Dilip Kumar V. Calibration Engineer  
Environmental Conditions: Temperature in °C: 25 °C. Humidity in %RH : 65 %RH

### Standards used:

Sl. No.	Nomenclature	Make & Model	Sl. No	Traceable to / Cert.No.	Validity
1	SPR1, Pt-100, With Indicator	FLUKE & 5609/1524	01961 / 2024133	FARELABS & FL/C/TH/12042023-C001	18 Apr 2024

### Notes:

1. This Calibration Certificate relates only to the above DUC & Reported results are valid at the time of and under the stated conditions of measurement.
2. Partial Publication/ reproduction of this Certificate in any form is not permitted without the written consent of TransCal.
3. Errors if any, in this Certificate shall be brought to notice within 45 days from the date of this Certificate
4. 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
5. Calibration of the DUC is traceable to National/International Standards.
6. Correction/altering invalidate the Calibration Certificate.
7. Unless otherwise specified the Measurement Data reported is 'As Found'-Without any adjustment.
8. The Decision Rule: No Conformity statement (Pass/Fail, Accept/Reject) provided



Reviewed & Authorized By

V. Shashidhar  
(Lab-In-charge)

Range : -80 to 400 °C  
Resolution : 0.001 °C  
Accuracy : Class A

### Results:

### Measurement of Temperature

Sl. No.	Std Reading (°C)	DUC Reading (°C)	Deviation Observed (°C)	Measurement Uncertainty in ± (°C)	Remarks
1	-79.954	-79.828	0.126	0.07	---
2	-49.975	-49.837	0.138	0.07	---
4	-19.989	-19.907	0.082	0.06	---
5	0.003	-0.006	-0.009	0.06	---
6	100.031	99.921	-0.110	0.06	---
8	349.987	349.817	-0.170	0.08	---
9	399.968	399.551	-0.437	0.08	---

### Conclusion Remarks:

1 Temperature Scale : International Temperature Scale, 1990 (ITS-90).

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



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V. Shashidhar  
(Lab-In-charge)