

# TESTING MACHINE SERVICE CENTRE

ACCREDITED BY NABL

BALITIKURI SHIBTALA INDUSTRIAL ESTATE, HOWRAH - 711113, WB, INDIA

Website - [www.testingmachine.org](http://www.testingmachine.org)



## CALIBRATION CERTIFICATE

DESCRIPTION OF INSTRUMENTS		Certificate No:	TMSC/24/T-01144		
NAME :	Digital Thermometer	ULR No:	CC249824000012812F		
RANGE:	(-)50 to 300 °C	Certificate Issue Date:	05-08-2024		
LEAST COUNT:	0.1 °C	Date of Calibration:	03-08-2024		
MAKE:	---	Suggested Calibration Due On:	02-08-2025		
MODEL NO/TYPE	---- / ----	Job Code No:	TMSC/JUL/30/07		
SERIAL NO:	160814566	<b>Customer's Details</b> <b>M/s. Vidyasagar State General Hospital.</b> <b>Add: 4, Bramho Samaj Road, Kolkata - 700034.</b>			
I.D NO:	160814566				
VISUAL INSPECTION:	OK				
ACCURACY:	N/A				
CALIBRATED AT:	TMSC Lab				
DISCIPLINE/GROUP	Thermal - Temperature				
Environmental Conditions	Temperature	25°C ±4°C	Calibration Reference	Comparison Method	
	Relative Humidity	30% to 75%	Calibration Procedure	TMSC/MSD/WI-57	
STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY. MASTER (S) USED FOR CALIBRATION:-					
Instrument Name	Serial No.	Certificate No.	Valid Upto	Calibrated By	
PT100X1,SIMPLEX,4 WIRE RTD WITH CALSYS C-4004	22000136, CALS-T0030	TL/024/409.1.1	15-04-2025	CC-2840	
<b>CALIBRATION RESULTS</b>					
Set Value in °C	Avg. Observed Value STD In (Ω)	Corresponding Value in °C	Avg. Observed Value DUC in °C	Error in °C	Expanded Uncertainty at 95% confidence level with k=2, (± °C)
50.0	119.214	49.92	49.80	-0.12	0.65
100.0	138.257	99.82	99.55	-0.27	
140.0	153.272	139.71	139.28	-0.43	
200.0	175.301	199.36	198.69	-0.67	

REMARKS : The DUC\* (DEVICE UNDER CALIBRATION) has been calibrated for its range.

Note : 1) This certificate refers only to the particular item (s) submitted for calibration.

2) This certificate refers to the values obtained at the time of calibration.

3) This certificate shall not be reproduced, except in full, unless written permission has been obtained from CEO/TMSC.

4) 5 Nos. measurements were made for each reading.

\*\*\*\* END OF CERTIFICATE\*\*\*\*

Calibrated By  
(Quality Manager)  
AMIT MAJUMDAR



Approved By  
(Technical Manager)  
BHASKAR CHATTERJEE

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