



MEASURE TECHNO LAB

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CC - 2548

CALIBRATION CERTIFICATE OF DIGITAL THERMOMETER

Calibration Certificate No.: MTL / D / R03 / 06 - 24

ULR - CC254524000028077F

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Service Request No.: MTL / 14G / 06 / 25 - 26

Issued to: M/s. Diagnostics,
190B, Rashbehari Avenue,
Kolkata - 700029.

Description & Identification of Item to be Calibrated:	a) Name:	Digital Thermometer	b) Code No.:	DIA / BIO / 17
	c) Sl. No.:	160814603	d) Make:	N.S.
	e) Model / Type:	N.S.	f) Range:	(-) 50 °C to 300 °C
	g) Sensor:	N.A.	h) Resolution:	0.1 °C
	i) End User:	Biochemistry	j) Accuracy:	N.S.
	k) Calibration done at:	√ On Site / In House		

Date of receipt of item :	14-06-24	1.4 Physical Condition of DUC :	OK
Date of calibration :	14-06-24	1.6 Recommended date of next calibration :	14-06-25
Date of Issue :	15-06-24		

Environmental Conditions During Calibration: Temperature: 25 °C ± 2 °C
Humidity: 55 % RH ± 10 % RH

Method of Calibration: SOP / TH / 04 (A)

Traceability:

a) Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.
b) The following standards / Equipment have been used.

Data Acquisition Unit Cal. Certificate No. C&J/CAL/23-12/060 (C&J/CPL, Jaipur) (Cal. Date: 13/12/23, Due Date: 13/12/24)

RTD (FT-100) Cal. Certificate No. TL / 023 / 1200.2.1 (TEMPSENS, Udaipur) (Cal. Date: 18/10/23, Due Date: 17/10/24)

Result :

Normal Calibration (Temperature)

Sl. No.	Parameter / Range	Measured Value on DUC °C	Corrected Std. Value		Error °C	Measurement Expanded Uncertainty ± °C
			Ohms	°C		
1.		-28.6	88.878	-28.336	-0.264	0.23
2.		0.3	100.238	0.610	-0.310	0.23
3.	Temperature	50.2	119.632	50.611	-0.411	0.41
4.	(-) 50 °C to 300 °C	148.3	156.904	148.874	-0.574	0.41
5.		297.8	211.521	298.510	-0.710	1.64

- Remarks: i) This result has an expanded uncertainty with a coverage factor k=2 at approximately 95% confidence level.
ii) The calibration certificate issued for this instrument is to be used for scientific or industrial purposes only.
iii) Error = DUC Reading - Standard Reading.
iv) Calibrations are carried out without any adjustment or repair.

Device Under Calibration: N.S. - Not Specified N.A. - Not Applicable Std. - Standard

Opinions and Interpretations

Calibrated	√	Accepted / Valid for use
Limited Use		Rejected / Out of use

Calibrated by:

Calibration Engineer
Measure Techno Lab,
Kolkata



Checked / Approved by:
Quality / Technical Manager
S. Pandey

Sl. No. - MTL/22/2006	Issue No. : 2	Issue Date : 10.11.06	Rev. No. : 04	Rev. Date : 01.04.22
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