



MEASURE TECHNO LAB

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CC - 2545

CALIBRATION CERTIFICATE OF DIGITAL THERMOMETER

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LIBRATION CERTIFICATE NO.: MTL / D / R03 / 06 - 23

ULR - CC254523000016734F

1.0 Service Request No.: MTL / 14F / 06 / 22 - 23

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

1.2 Description &
Identification of item
to be Calibrated:

a) Name: Digital Thermometer
c) Sl. No.: N.S.
e) Model / Type: N.S.
g) Sensor: N.S.
i) End User: Biochemistry
k) Calibration done at: \checkmark On Site / In House

b) Code No.: DIA / BIO / 17
d) Make: N.S.
f) Range: (-) 50 °C to 300 °C
h) Resolution: 0.1 °C
j) Accuracy: N.S.

1.3 Date of receipt of item : 14-06-23

1.5 Date of calibration : 14-06-23

1.7 Date of Issue : 16-06-23

1.8 Environmental Conditions During Calibration:

1.4 Physical Condition of DUC : OK
1.6 Recommended date of next calibration : 14-06-24

Temperature: 25.6 °C
Humidity: 65.4 % RH

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

2.0 Traceability :

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

- i) Data Acquisition Switch Unit Cal. Certificate No. JRPM - CCTR - ET - 2022 - 1498 (JRPM, Chennai) (Cal. Date: 25/08/22, Due Date: 24/08/23)
- ii) RTD (PT - 100) Cal. Certificate No. TL / 022 / 1166 2.1 (TEMPESENS, Udaipur) (Cal. Date: 19/10/22, Due Date: 18/10/23)

2.1 Result :

Thermal Calibration (Temperature)

Sl. No.	Parameter/ Range	Measured Value on DUC °C	Corrected Std. Value		Error °C	Measurement Expanded Uncertainty ± °C
			Ohms	°C		
1.	Temperature (-) 50 °C to 300 °C	-29.2	88.672	-28.857	-0.343	0.23
2.		0.2	100.266	0.681	-0.481	0.23
3.		100.3	138.815	100.815	-0.515	0.41
4.		200.1	176.128	200.741	-0.641	0.41
5.		294.4	210.313	295.122	-0.722	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.

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

Opinions and Interpretations	Accepted / Valid for use	Rejected / Out of use
Calibrated	\checkmark	
Limited Use		

Calibrated by:
Calibration Engineer
Measure Techno Lab
Kolkata

Checked / Approved by:

Quality & Technical Manager
S. Pandey