



MEASURE TECHNO LAB

2, B.T. ROAD (JAYANTI CINEMA COMPLEX), BARRACKPORE,
KOLKATA - 700120, W.B.

Phone : 033 - 2215 - 0032, 2215 - 9687, 8100875519, Mobile: 9831190974,
LAB:- 8100143376, E-mail: measuretechno@yahoo.co.in



CC - 2545

CALIBRATION CERTIFICATE OF DIGITAL THERMOMETER

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CALIBRATION CERTIFICATE NO.: MTL / RPL / R04 / 07 - 24

ULR - CC254524000033795F

1.0 Service Request No.: MTL / 25C / 07 / 24 - 25

1.1 Issued to:

M/s. Recover Pathology Laboratory,
1360, Survey Park, A - 1, Sammilani Park,
East Rajapur, Kolkata - 700075.

1.2 Description & Identification of item to be Calibrated:

a) Name:	Digital Thermometer	b) Code No.:	RPL / DT - 01
c) Sl. No.:	N.S.	d) Make:	N.S.
e) Model / Type:	ST - 9283B	f) Range:	(-) 50 °C to 300 °C
g) Sensor:	N.A.	h) Resolution:	0.1 °C
i) End User:	Lab	j) Accuracy:	N.S.
k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item : 25-07-24

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 25-07-24

1.6 Recommended date of next calibration : 25-07-25

1.7 Date of Issue : 26-07-24

1.8 Environmental Conditions During Calibration:

Temperature: 25 °C ± 2 °C
Humidity: 55 % RH ± 10 % 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 Unit Cal. Certificate No. C&IJ/CAL/23-12/060 (C&ICPL, Jaipur) (Cal. Date: 13/12/23, Due Date: 13/12/24)
- ii) RTD (PT - 100) Cal. Certificate No. TL / 023 / 1200.2.1 (TEMPSENS, Udaipur) (Cal. Date: 18/10/23, Due Date: 17/10/24)

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.		-28.9	88.542	-29.188	0.288	0.23
2.		-0.1	99.780	-0.562	0.462	0.23
3.	Temperature	100.2	138.314	99.496	0.704	0.41
4.	(-) 50 °C to 300 °C	199.8	175.447	198.889	0.911	0.41
5.		298.3	210.981	296.997	1.303	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

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



Form No. - MTL/22/2006

Issue No. : 2

Issue Date : 10.11.06

Rev. No. : 04

Rev. Date : 01.04.22



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CALIBRATION CERTIFICATE OF DIGITAL THERMOMETER

CALIBRATION CERTIFICATE NO.: MTL / RPL / R05 / 07 - 24

ULR - CC254524000033796F

Page: 1 of 1

1.0 Service Request No.: MTL / 25C / 07 / 24 - 25

1.1 Issued to: M/s. Recover Pathology Laboratory,
1360, Survey Park, A - 1, Sammilani Park,
East Rajapur, Kolkata - 700075.

1.2 Description & Identification of item to be Calibrated:	a) Name:	Digital Thermometer	b) Code No.:	RPL / DT - 02
	c) Sl. No.:	N.S.	d) Make:	N.S.
	e) Model / Type:	ST - 9283B	f) Range:	(-) 50 °C to 300 °C
	g) Sensor:	N.A.	h) Resolution:	0.1 °C
	i) End User:	Lab	j) Accuracy:	N.S.
	k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item : 25-07-24 1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 25-07-24 1.6 Recommended date of next calibration : 25-07-25

1.7 Date of Issue : 26-07-24

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Humidity: 55 % RH ± 10 % RH

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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	88.415	-29.509	0.309	0.23
2.		-0.3	99.683	-0.812	0.512	0.23
3.		99.8	138.148	99.057	0.743	0.41
4.		199.6	175.365	198.664	0.936	0.41
5.		297.9	210.846	296.616	1.284	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	
Calibrated	√	Rejected / Out of use	
Limited Use			

Calibrated by:
Calibration Engineer
Measure Techno Lab
Calibration Engineer
J. Sanyal

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