



# 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 THERMO HYGROMETER

CALIBRATION CERTIFICATE NO.: MTL / RPL / R02 / 07 - 24

ULR - CC254524000033793F

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 Thermo Hygrometer	b) Code No.:	RPL / DTH - 01
	c) Sl. No.:	N.S.	d) Make:	N.S.
	e) Model / Type:	HTC-1	f) Range:	(-) 10 °C to 50 °C & 10 % RH to 99 % RH
	g) Sensor:	N.A.	h) Resolution:	0.1 °C & 1 % RH
	i) End User:	Lab	j) Accuracy:	N.S.
	k) Calibration done at:	On Site / √ In House		

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

1.5 Date of calibration : 25-07-24

1.7 Date of Issue : 26-07-24

1.8 Environmental Conditions During Calibration: Temperature: 25 °C ± 4 °C  
Humidity: 30 % RH to 75 % RH

1.9 Method of Calibration: SOP / TH / HU - 01

2.0 Traceability :

1.4 Physical Condition of DUC : OK

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

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

i) Temperature & Humidity Meter Cal. Certificate No. RPL-CF-2024-THER-CSRF-0674-C-1192 (JRP, Chennai) (Cal. Date: 15/07/24, Due Date: 14/07/25)

2.1 Result :

Thermal Calibration : (Specific Heat & Humidity.)

Sl. No.	Parameter/ Range	Measured Value on DUC °C	Corrected Std. Value °C	Error °C	Measurement Expanded Uncertainty ± °C & % RH
1.	Temperature (-) 10 °C to 50 °C	10.1	10.33	-0.23	0.89
2.		29.4	29.74	-0.34	0.89
3.		39.6	40.05	-0.45	0.89
4.		48.2	48.76	-0.56	0.89
		% RH	% RH	% RH	
		At 25 °C			
1.	Humidity 10 % RH to 99 % RH	29	29.93	-0.93	1.81
2.		51	52.32	-1.32	1.81
3.		72	73.85	-1.85	1.81
4.		87	89.18	-2.18	1.81

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  
Calibration Engineer

Checked / Approved by:

Quality / Technical Manager  
S Pandey



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## CALIBRATION CERTIFICATE OF DIGITAL THERMO HYGROMETER

ALIBRATION CERTIFICATE NO.: MTL / RPL / R03 / 07 - 24

ULR - CC254524000033794F

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.

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c) Sl. No.:	N.S.	d) Make:	N.S.
e) Model / Type:	HTC-1	f) Range:	(-) 10 °C to 50 °C & 10 % RH to 99 % RH
g) Sensor:	N.A.	h) Resolution:	0.1 °C & 1 % RH
i) End User:	Lab	j) Accuracy:	N.S.
k) Calibration done at:	On Site / √ In House		

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

1.4 Physical Condition of DUC : OK

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

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Humidity: 30 % RH to 75 % RH

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2.1 Result :

Thermal Calibration : (Specific Heat & Humidity.)

Sl. No.	Parameter / Range	Measured Value on DUC °C	Corrected Std. Value °C	Error °C	Measurement Expanded Uncertainty ± °C & % RH
At 50 % RH					
1.	Temperature (-) 10 °C to 50 °C	10.0	10.26	-0.26	0.89
2.		29.6	29.97	-0.37	0.89
3.		39.7	40.11	-0.41	0.89
4.		48.1	48.64	-0.54	0.89
At 25 °C					
		% RH	% RH	% RH	
1.	Humidity 10 % RH to 99 % RH	30	30.73	-0.73	1.81
2.		52	53.17	-1.17	1.81
3.		71	72.61	-1.61	1.81
4.		88	89.98	-1.98	1.81

Remarks: i) This result has an expanded uncertainty with a coverage factor k=2 at approximately 95% confidence level.

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iii) Error = DUC Reading - Standard Reading.

iv) Calibrations are carried out without any adjustment or repair.

DUC - Device Under Calibration

N.S. - Not Specified

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### Opinions and Interpretations

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

Calibrated by:  
Calibration Engineer  
Measure Techno Lab  
Calibration Engineer *J. Dey*

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

S Pandey