



# MEASURE TECHNO LAB

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CC - 2545

## CALIBRATION CERTIFICATE OF DIGITAL THERMO HYGROMETER

Page: 1 of 1

1.0 Calibration Certificate No.: MTL / D / R02 / 06 - 24

ULR - CC254524000028076F

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

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

1.3 Description &  
1.4 Identification of item  
1.5 to be Calibrated:

a) Name:	Digital Thermo Hygrometer	b) Code No.:	DIA / BIO / 15
c) Sl. No.:	N.S.	d) Make:	N.S.
e) Model / Type:	N.S.	f) Range:	As Per Report
g) Sensor:	N.A.	h) Resolution:	0.1 °C & 1 % RH
i) End User:	Biochemistry	j) Accuracy:	N.S.
k) Calibration done at:	On Site / √ In House		

1.6 Date of receipt of item : 13-06-24

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 14-06-24

1.6 Recommended date of next calibration : 14-06-25

1.7 Date of Issue : 15-06-24

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 :

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. JRPm-CF-2023-THER-CSRF-880-C-1486 (JRPm, Chennai) (Cal. Date: 17/07/23, Due Date: 16/07/24)

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	10.1	10.41	-0.31	0.89
2.		20.3	20.69	-0.39	0.89
3.		30.4	30.86	-0.46	0.89
4.		45.2	45.78	-0.58	0.89
At 25 °C					
	Humidity	% RH	% RH	% RH	
1.		36	36.87	-0.87	1.81
2.		67	68.47	-1.47	1.81
3.		79	80.62	-1.62	1.81
4.	88	90.53	-2.53	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	✓	Accepted / Valid for use
Calibrated		Rejected / Out of use
Limited Use		

Calibrated by:

J. Dey  
Calibration Engineer  
Measure Techno Lab.  
Kolkata



Checked & Approved by:  
S. Pandey  
Quality Technical Manager

Form No. - MTL/22/2006

Issue No. : 2 Issue Date : 10.11.06

Rev. No. : 04 Rev. Date : 01.04.22