



MEASURE TECHNO LAB

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



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CALIBRATION CERTIFICATE OF DIGITAL THERMO HYGROMETER

CC - 2545

LIBRATION CERTIFICATE NO.: MTL / NRS MCH-ICTC(M) / R02 / 01 - 24

ULR - CC254524000004982F

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1.0 Service Request No.: MTL / 22A / 01 / 23 - 24

1.1 Issued to: M/s. NRS MCH - ICTC (ANC),
Department of Gynae & OBS,
Kolkata - 700014.

1.2 Description & Identification of item to be Calibrated:	a) Name:	Digital Thermo Hygrometer	b) Code No.:	NRS - ICTC - G & O - DTH - 01
	c) Sl. No.:	N.S.	d) Make:	Aceteq
	e) Model / Type:	DC - 3	f) Range:	As Per Report
	g) Sensor:	N.A.	h) Resolution:	0.1 °C & 1 % RH
	i) End User:	Gynae & OBS	j) Accuracy:	N.S.
	k) Calibration done at:	On Site / √ In House		

1.3 Date of receipt of item : 22-01-24

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 24-01-24

1.6 Recommended date of next calibration : 24-01-25

1.7 Date of Issue : 24-01-24

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-1488 (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	10.5	10.93	-0.43	0.89
2.		29.3	29.78	-0.48	
3.		39.2	39.76	-0.56	
4.		48.4	49.03	-0.63	
At 25 °C					
	Humidity	% RH	% RH	% RH	1.81
1.		28	28.97	-0.97	
2.		49	50.16	-1.16	
3.		67	69.19	-2.19	
4.		88	90.48	-2.48	

- 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: *J. Pandey*
 Measure Techno Lab
 Kolkata
 Calibration Engineer

Checked/ Approved by:

 Quality / Technical Manager
 S. Pandey

Form No. - MTL/22/2006

Issue No. : 2 Issue Date : 10.11.06

Rev. No. : 04 Rev. Date : 01.04.22