



MEASURE TECHNO LAB

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



CC - 2545

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

CALIBRATION CERTIFICATE OF DIGITAL THERMO HYGROMETER

CALIBRATION CERTIFICATE NO.: MTL / SMCH(PPTCT) / R03 / 03 - 23

ULR - CC254523000005250F

Page: 1 of 1

1.0 Service Request No.: MTL / 02F / 03 / 22 - 23

1.1 Issued to: Office of The PPTCT,
Department of O&G,
Silchar Medical College & Hospital,
Silchar, Cachar, Assam - 788014.

1.2 Description & Identification of item to be Calibrated:	a) Name:	Digital Thermo Hygrometer	b) Code No.:	PPTCT/SMCH/ O&G/THM-01
	c) Sl. No.:	N.S.	d) Make:	Winner
	e) Model / Type:	TH 402	f) Range:	10 °C to 50 °C & 99 % RH
	g) Sensor:	N.A.	h) Resolution:	0.1 °C & 1 % RH
	i) End User:	PPTCT	j) Accuracy:	N.S.
	k) Calibration done at:	On Site / √ In House		

1.3 Date of receipt of item : 28-02-23

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 02-03-23

1.6 Recommended date of next calibration : 02-03-24

1.7 Date of Issue : 04-03-23

1.8 Environmental Conditions During Calibration: Temperature: 23.7 °C
Humidity: 58.8 % 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 Data Logger Cal. Certificate No. JRPM-CCTR-THER-2022-1186 (JRPM, Chennai) (Cal. Date: 20/07/22, Due Date: 19/07/23)

2.1 Result :

Thermal Calibration

Sl. No.	Parameter/ Range	Measured Value on DUC °C	Corrected Std. Value °C	Error °C	Measurement Expanded Uncertainty ± °C & % RH
		At 45 % RH			
1.	Temperature 10 °C to 50 °C	10.1	10.45	-0.35	0.89
2.		19.6	19.98	-0.38	0.89
3.		29.7	30.13	-0.43	0.89
4.		39.5	40.02	-0.52	0.89
		% RH	% RH	% RH	
		At 25 °C			
1.	Humidity 99 % RH	21	22.87	-1.87	1.79
2.		38	40.16	-2.16	1.79
3.		48	50.54	-2.54	1.79
4.		68	70.98	-2.98	1.79

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.

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
S. Pandey