



MEASURE TECHNO LAB
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NABL ACCREDITED LABORATORY
Certificate No. CC - 2545

CALIBRATION CERTIFICATE OF DIGITAL THERMO HYGROMETER

CALIBRATION CERTIFICATE NO.: MTL / SRL(DGP) / R01 / 09 - 22

ULR - CC254522000025273F

Page: 1 of 1

1.0 Service Request No.: MTL / 05A / 09 / 22 - 23

1.1 Issued to: M/s. SRL Limited,
Ambedkar Sarani, City Centre, CA - 11,
Urvashi Phase II, City: Durgapur - 713216.

1.2 Description & Identification of item to be Calibrated:

a) Name:	Digital Thermo Hygrometer	b) Code No.:	HGM / 03
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 : 05-09-22

1.5 Date of calibration : 05-09-22

1.7 Date of Issue : 06-09-22

1.4 Physical Condition of DUC : OK

1.6 Recommended date of next calibration : 05-09-23

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-2021-0974 (JRPM, Chennai) (Cal. Date: 14/09/21, Due Date: 13/09/22)

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
1.	Temperature (-) 10 °C to 50 °C	10.3	10.5	-0.2	0.89
2.		20.2	20.5	-0.3	0.89
3.		30.1	30.4	-0.3	0.89
4.		45.3	45.6	-0.3	0.89
	Humidity 10 % RH to 99 % RH	% RH	% RH	% RH	
		At 25 °C			
1.		37	37.9	-0.9	1.79
2.		55	56.4	-1.4	1.79
3.		75	76.6	-1.6	1.79
4.		80	82.3	-2.3	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 Callbration N.S. - Not Specified N.A. - Not Applicable Std. - Standard

Opinions and Interpretations	
Calibrated	Accepted / Valid for use
Limited Use	Rejected / Out of use

Checked / Approved by:

Quality & Technical Manager
S. Pandey

Calibrated by:
Calibration Engineer
I. Dey
Measure Techno Lab
Calibration Engineer
Kolkata
06/09/22

Form No. - MTL/22/2006

Issue No. : 2 Issue Date : 10.11.06

Rev. No. : 04 Rev. Date : 01.04.22