



TMSCC

TESTING MACHINE SERVICE AND CALIBRATION CENTRE
Precision is Our Destination.....

An ISO 9001 : 2015 Certified company
Calibration of Various Instruments & Testing Machines...



CC - 3125

Form No.: TMSCC/R/23

CALIBRATION CERTIFICATE

CALIBRATION CERTIFICATE NO: 2024/06/891 Page 1 of 1

ISSUE DATE: 18-Jun-2024

ULR No.: CC312524000012397P

1.0 ISSUED TO: M/s. Doctor Ghosh Super Speciality Clinic And Diagnostic Centre
1st Floor, 2/5/16, Arabinda Arena, Block B,
Khardaha, Kolkata - 700118.

1.1 Service Request Form No.: SRF/2024/06/17/02

1.2 Service Request Date: 17-06-2024

1.3 Location: At Lab

1.4 Description identification of item to be calibrated:

i Name:	Digital Thermo Hygrometer	ii Make:	Aptechdeals
iii Model / Type No.:	HTC-2	iv S/L No.:	--
v I D No.:	DGLAB/DTHM/01	vi Job Code No.:	2024/06/891
vii Range:	[(-)50 to 70] °C & (10 to 99)% RH	viii Resolution:	0.1°C & 1% RH
ix Accuracy:	As Per DKD RS - 1 & DKD-RS-7	x End User:	--

1.5 Full / Partial Calibration: Partial Calibration

1.6 Applicable specification of item to be calibrated: Accuracy / permissible limit : Not Specified.

1.7 Date of receipt of item : 17-Jun-2024

1.8 Date of calibration : 17-Jun-2024

1.9 Calibration due on : 16-Jun-2025

2.0 Frequency of calibration once in : 12 Months

2.1 Environmental condition during calibration :
Temperature : 25 °C
Humidity : 52 % RH

2.2 Basis of calibration : SOP/10/02, SOP/10/04

2.3 Traceability : Standards used for calibration are traceable to National Standards through NABL accredited Laboratory.

Name of Instrument	Sl. No. / Id no.	Certificate No.	Lab Certificate No.	Calibrated on	Due on
Temp. & Humidity Probe with Indicator	(Sl. No.: No. - 2022C01005/ 20571921)	TSC/23-24/20427-3	CC - 2231	14-03-2024	13-03-2025
Digital Temperature Indicator with Sensor(RTD)	(Indicator Sl. No. - 18K588073) (Sensor Id No. - TMSCC/RTD/01)	TSC/23-24/13010-4	CC - 2231	09-11-2023	08-11-2024

CALIBRATION RESULTS

Sl. No.	Ref. Bath set in °C	Observed Reading at DUC in °C (Avg. of five readings)	Observed Reading at Ref. Std. in °C (Avg. of five readings)	Error in °C	Uncertainty in ± °C	Acceptance Criteria
1	-35.0	-35.0	-35.076	-0.076	0.18	Pass
2	-5.0	-5.0	-5.011	-0.011	0.18	Pass
3	10.0	10.0	10.022	0.022	0.18	Pass
4	25.0	25.0	25.054	0.054	0.29	Pass
5	50.0	50.0	50.109	0.109	0.29	Pass
6	70.0	70.0	70.152	0.152	0.29	Pass

Maximum Permissible Error : ± 0.3% of rdg

Sl. No.	Ref. Source set in %	Observed Reading at DUC in % (Avg. of five readings)	Observed Reading at Ref. Std. in % (Avg. of five readings)	Error in %	Measurement Uncertainty in ± %	Acceptance Criteria
1	25	25	25.3	0.3	1.2	Pass
2	55	55	55.7	0.7	1.2	Pass
3	90	90	91.1	1.1	1.2	Pass

Maximum Permissible Error : ± 3% of rdg

Measurement Uncertainty at 95% Confidence Level where Coverage Factor k = 2

REMARKS : The DUC has been calibrated over its range. The readings observed are tabulated above. The reference standard is traceable to National standard.

DUC: Device Under Calibration.

Physical Status of the DUC : OK

Calibrated By :

J. Bhattacharya
(Sr. Calibration Engineer)

Checked By :

C. Ghosh
(Technical Manager)



Approved By :

P. K. Modak
(Sr. Calibration Engineer)

END OF CERTIFICATE