



## CERTIFICATE OF CALIBRATION

COMMITTED TO THE CUSTOMER SINCE - 1996

No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.  
Ph : 080-23377266, Mob : 9986586789 / 9632221171 / 9964308118 | Email : info@viplgroup.com Web : www.viplgroup.com

NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017 With vide Certificate No: CC-2473

### 1 Name and Address of Customer

M/s.: BGS Medical College Hospital,  
Nagarur, Dasanapura Hobli,  
Bangalore North - 562 123.

### 2 Customer Reference

- 2.1 ULR No : CC247324300004793F
- 2.2 Format No : VI-FRM-TH-002
- 2.3 SRF No : 3565
- 2.4 DC.No / Date : Ref.Letter / 19-07-2024
- 2.5 Receipt Date : 19-07-2024
- 2.6 Certificate No. : VI/24-25/3565-02
- 2.7 Issue Date : 22-07-2024

### 3 Details Of Device Under Calibration(DUC).

- 3.1 Nomenclature : Digital Thermo Hygrometer (In / Out)
- 3.2 Make / Model : MEXTECH / TM-2
- 3.3 Sl.No. / ID.No. : KT2023051810359 / BGSMCHLAB/TM/02
- 3.4 DUC Condition : Satisfactory
- 3.5 Calibration Procedure No. / Ref. Std. : SOP-38-02 / Based On Comparison Method
- 3.6 No.of Pages : 2
- 3.7 Calibration Date : 22-07-2024
- 3.8 Calibration Due : 21-07-2025
- 3.9 Calibration done at : VI Thermal Lab
- 3.10 Discipline : Thermal

### 4 Environmental Condition:

Temperature: 25.3 - 25.7°C Humidity: 49 - 51 %RH

### 5 Standards Used for calibration:

Sl. No	Nomenclature	Make & Model	Sl. No	Certificate No.	Cal Agency / Validity
1	Hygropalm With Sensor	Rotronic & HP23	60885044(Indicator) & 20146871(Sensor)	ETL/1047/23/C/F/275	FCRI, Palakkad / 15-09-2024
2	RTD Sensor With Indicator	Tempco & TMPL-01	TI-100822-01 (Sensor) & 21J668997 (Indicator)	VI/23-24/INT-TH-210-01	VI, Bangalore / 21-08-2024

3 Humidity+Temperature Chamber And Dry Block Calibrator is Used As a Source

### 6 Note:

- 6.1. The Calibration Certificate relates only to the above DUC
- 6.2. Publication or reproduction of this Certificate in any form other than by complete set of the whole report & in the language, written, is not permitted without the written consent of VI Lab..
- 6.3. Corrections/erasing, invalidate the Calibration Certificate.
- 6.4. Calibration of the DUC are traceable to National standards/International Standards
- 6.5. Any error in this Certificate should be brought to our knowledge within 30 days from the date of this Cert.
- 6.6. Results Reported are valid at the time of and under the stated conditions of measurements
- 6.7. The usage of NABL Symbol is as per NABL guidelines given in NABL-133

Calibrated By

Poornima V

(Calibration Engineer)

Checked By

Umesh D

(Lab In-Charge)





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**Results:**

Range / Resolution : -10 to 50 °C / 0.1 °C ( In Door )

**Test Results of Temperature @ 50 %RH**

SI No	Set Point (°C)	DUC Reading (°C)	STD Reading (°C)	Error Observed (°C)	Measurement Uncertainty ± (°C)	k Factor
1	15	14.8	15.043	-0.243	0.498	2.0
2	30	29.7	30.067	-0.367	0.498	2.0
3	45	44.6	45.091	-0.491	0.498	2.0

Range / Resolution : -50 to 70 °C / 0.1 °C ( Out Door )

SI No	Set Point (°C)	DUC Reading (°C)	STD Reading (°C)	Error Observed (°C)	Measurement Uncertainty ± (°C)	k Factor
1	-40	-40.2	-40.034	-0.166	0.291	2.0
2	0	-0.1	0.023	-0.123	0.291	2.0
3	10	9.8	9.987	-0.187	0.291	2.0
4	30	29.7	29.975	-0.275	0.291	2.0
5	60	59.6	59.967	-0.367	0.291	2.0

Range / Resolution : 20 to 99 %RH / 1 %RH

**Test Results of Humidity @ 25°C**

SI No	Set Point (%RH)	DUC Reading (%RH)	STD Reading (%RH)	Error Observed (%RH)	Measurement Uncertainty ± (%RH)	k Factor
1	30	31	30.07	0.93	1.434	2.0
2	50	52	50.10	1.90	1.434	2.0
3	80	82	79.92	2.08	1.434	2.0

**Conclusion / Remarks:**

1. Measurement Uncertainty reported is at 95.45% confidence level with k = 2.

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Poornima V  
(Calibration Engineer)

Checked By

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(Lab In-Charge)

