



COMMITTED TO THE  
CUSTOMER SINCE - 1996

# VAIDYANATHESHWARA INSTRUMENTS

## CERTIFICATE OF CALIBRATION



No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.

Contact : 080-23377266, Mob : 9986586789 / 9448080177 / 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

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### 1 Name and Address of Customer

M/s.: KM NU Hospitals,  
#50, M.C Road, NH 48, #75/2F2,  
M.C. Road, Solur, Ambur - Vellore (Dt.),  
Tamil Nadu 635 814.

### 2 Customer Reference

2.1 ULR No. : CC247321300002892F  
2.2 Format No. : VI-FRM-TH-002  
2.3 SRF No : 1780  
2.4 DC No / Date : 414 / 20-05-2021  
2.5 Certification No. : VI/21-22/1780-01  
2.6 Date of Issue : 22-05-2021

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

3.1 Nomenclature : Digital Thermo-Hygrometer (In/Out)  
3.2 Make / Model : --- / HTC-2  
3.3 ID No. / Sl. No. : DTHM-01 / ---  
3.4 DUC Condition : Satisfactory  
3.5 Calibration Procedure No. : SOP - 38-02  
3.6 No.of Pages : 2  
3.7 Calibration Date : 22-05-2021  
3.8 Calibration Due : 21-05-2022  
3.9 Calibration done at : VI Thermal Lab  
3.10 Discipline : Thermal

### 4 Environmental Condition:

Temperature 25.7 °C Humidity 54 %RH

### 5 Standards Used for calibration:

Sl. No	Nomenclature	Make & Model	Sl. No	Certificate No.	Validity
1	Hygropalm With Sensor	Rotronic / HP23	60885044 & 20146871	CR/NCAL/51117	05-08-2021
2	Platinum Resistance Thermometer With Indicator	FLUKE / 5609 (Sensor) & 1524 (Indicator)	03520 (Sensor) & 3028237 (Indicator)	CR/NCAL/51263	27-11-2021
3	Humidity+Temperature Chamber 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

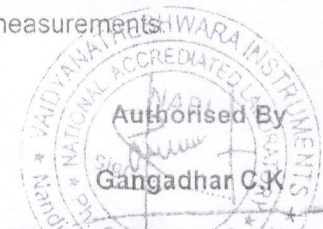
Kiran.R

(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 @ 60%RH

SI No	Set Point (°C)	DUC Reading (°C)	STD Reading (°C)	Error Observed (°C)	Measurement Uncertainty ± (°C)	k Factor
1	15	15.2	15.05	0.15	0.18	2.0
2	30	30.3	30.09	0.21	0.18	2.0
3	45	45.4	45.11	0.29	0.18	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	-45	-44.8	-45.06	0.26	0.18	2.0
2	5	5.1	5.01	0.09	0.18	2.0
3	20	20.2	20.05	0.15	0.18	2.0
4	30	30.3	30.07	0.23	0.18	2.0
5	60	60.6	60.11	0.49	0.18	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	29	30.09	-1.09	1.48	2.0
2	50	49	50.13	-1.13	1.48	2.0
3	80	78	80.16	-2.16	1.48	2.0

Conclusion / Remarks:

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

Calibrated By

Kiran. R

(Calibration Engineer)

Checked By

Umesh.D

(Lab In-Charge)

