



Accreditation Certificate No.: CC-2689  
(Electro-Technical, Mechanical  
& Thermal Calibration)



# Hi-Tech Laboratory & Services

(A House of Measurement & Calibration)

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## CALIBRATION CERTIFICATE

(Form No. HTLS/QF/7.8.1/01 (Amendment No. 00 Dated 1st January 2020))

ULR : CC268920100009737F		Thermal Calibration		Certificate Issue Date: 30.12.2020	
Certificate No	Received on	Received Condition	Calibration on	Calibration due	Page No.
HTLS/20/BH/944.09	26.12.2020	working	28.12.2020	27.12.2021 <small>(As per customer requirements)</small>	1 of 1

- 1) a. **Calibrated for:**  
M/s Bansal Hospital ,  
Shahpura Lake ,  
Bhopal - 462016. (M.P.)
- b. **Name of Equipment /Instrument :**  
Digital Thermo Hygrometer
- c. **Calibration Location:** At Lab

2) **Description & Identification of Equipments / Instruments Under Calibrations (EUC\*):**

Manufactured by	Model / Type	Serial No.	Identification No.	Location
HTC	HTC-2	---	BH/LM/HYG/02	---
Temp. Range	Least Count	Calibrated Range	Declared Accuracy	
-10 to 50 °C	0.1°C	20.0 to 40.0 °C	± 5% fsd	
RH Range	Least Count	Calibrated Range	Declared Accuracy	
10 to 99% RH	1 % RH	39 to 90 %RH	± 5% fsd	

3) **Standards/ Calibrator & Measuring Equipments Used :**

Standards Used	Make	Serial No.	Traceability Certificate No.	Validity
Digital Temp & Humidity Meter	HTC	130227470 / HTLS/HM/01	CAL/19-20/CC/4523 CC224820000000371F	09.02.2021
with environment chamber .				
The Standards used for calibration were calibrated by using reference standard traceable to National Standard.				

4) **Principle /Methodology of Calibration & Procedure :**

Methodology adopted for Calibration is as per HTLS Procedure NO.HTLS/CP/RH - 01,

5) **Calibrated Results: Temperature Measremnt at 60% RH**

Sl. No.	Unit	EUC Value (Average)	Standard Value (Average)	Deviation	Expended Uncertainty ( ± )
a.	° C	20.0	20.25	-0.25	0.55°C
b.	° C	30.1	30.43	-0.33	
c.	° C	40.0	40.50	-0.50	

**RH Measurment Temp. at 25°C**

Sl. No.	Unit	EUC Value (Average)	Standard Value (Average)	Deviation	Expended Uncertainty ( ± )
a.	% RH	39	29.85	9.15	2.4 %
b.	% RH	74	65.72	8.28	
c.	% RH	90	82.10	7.90	

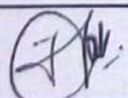
The values have been rounded off as per IS:2-1990(whenever applicable).

Expended uncertainty reported is at approx.95% confidence level with K=2.

- 6) **Environmental Condition:** a) Temperature: 25±2°C b) Humidity: 60±15%
- 7) **Calibration Status & Remark :**
- A Calibration Sticker has been affixed on EUC\*.
  - The Digital Thermo Hygrometer has been calibrated and status report has been given.
  - Refer to report before use.

\*\*\*\*\*END OF THE CERTIFICATE\*\*\*\*\*

**Calibrated by :**  
HEMANT OJHA  
Technical Manager



**Approved by :**  
SANJAY BAIS  
Quality Manager

