



CC-2144

CERTIFICATE OF CALIBRATION

FT-Q-25		Page 1 of 1	
ULR No.	: CC214424000001745F	Date of Issue	: 17-03-2024
Certificate No.	: TVCSPL 24/03/0362-04	Recom. Due Date	: 14-03-2025
Date of Calibration	: 15-03-2024	SRF No.	: 0362
Customer Details	: M/s. Sparsha Diagnostics, Mangalore - 575 002.	Calibrated at	: Lab
		Date of Receipt	: 15-03-2024
		Cond. On Receipt	: Satisfactory
Details of Test Instrument:			
Description	: Digital Thermohygrometer	Model No.	: HTC-1
Range	: -50 to 70°C / 20 to 99%RH	Serial No.	: 160708557
Least Count	: 0.1°C / 1%RH	Identification No.	: --
Make	: --	Accuracy	: As Per Manual
Working range	: --	Location	: Central Laboratory
Details of Standard Used			
Name	: Temp. & Humidity Indicator Data Logger	Certificate No.	: TVCSPL 23/05/167-01
		Valid upto	: 04-05-2024
		Calibrated at	: CC-2231
Work Instruction	: WI-T-04		
Environmental Details	: Temperature: 25±3 °C	Relative Humidity:	: 45-75 % RH

THERMAL CALIBRATION (Temperature & Humidity) Calibration Results

Temperature @50%RH						
Sr.No.	Set Reading	Test Reading (UUC)	Standard Reading	Deviation	Expanded Uncertainty (±)	Coverage Factor
	°C	°C	°C	°C	°C	K
1	10.0	9.9	10.04	-0.14	0.7	2
2	20.0	19.9	20.13	-0.23		
3	30.0	29.9	30.22	-0.32		
4	40.0	39.9	40.26	-0.36		
5	50.0	49.9	50.34	-0.44		

Humidity @25°C						
Sr.No.	Set Reading	Test Reading (UUC)	Standard Reading	Deviation	Expanded Uncertainty (±)	Coverage Factor
	%RH	%RH	%RH	%RH	%RH	K
1	20	18	18.02	-0.02	1.79	2
2	40	38	38.12	-0.12		
3	60	58	58.33	-0.33		
4	80	78	78.45	-0.45		
5	90	88	88.56	-0.56		

Remarks:-

- The above UUC was calibrated at Lab
- UUC is defined as Unit Under Calibration.
- Reading given was the average of 3 Measurements.
- The measurement confidence level is 95.45%
- The Calibration Certificate shall not be reproduced except in full without written approval of TVCSPL.
- The above Expanded Uncertainty includes Repeatability, Resolution & Uncertainty of Measurement.
- The above results relate only to the item calibrated.
- Temperature Scale : ITS-90
- Masters are Traceable to SI Units.

Calibrated by:
M. Jeevitha
M. Jeevitha
(Calibration Engineer)



Authorised by:
D. Vetri Selvi
D. Vetri Selvi
(QM & TM)

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