



# FLOW CAL

TRUSTED AND RELIABLE CALIBRATION

NABL Accredited Calibration Lab as per ISO/IEC 17025:2017

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CC-3103

FCL/FM/CL/06

### CERTIFICATE OF CALIBRATION

SRF No.	F0143	Certificate No.	FCL/24/F0143-01	ULR No.	CC310324000000799F
Date of SRF	27-09-2024	Date of Cal.	27-09-2024	Next Cal Due	26-09-2025
Issue Date	30-09-2024	Cal Procedure No.	FCL-SOP-THE-05	Status on Receipt	Satisfactory
No of Pages	01	Page No.	01 of 01	Cal Done At	Onsite

DISCIPLINE-GROUP : THERMAL-SPECIFIC HEAT & HUMIDITY

#### Customer Name & Full Address:

M/s. ICTC GH,NR Pura,Chikkamagaluru District.

### DEVICE UNDER CALIBRATION (DUC) DETAILS

Nomenclature	THERMO HYGROMETER		Model :	DC 103
Make	Health Shine		ID No :	ICTC/HYG-01
Serial. No	NA		Resolution :	0.1 °C & 1 %RH
Range :	-20 to 50 °C	10 %RH to 90 %RH	Accuracy :	As Per Manual
Location	ICTC Lab			

### STANDARDS USED FOR CALIBRATION AND TRACEABILITY DETAILS

Nomenclature	Make/Model	Sl. No / ID No.	Traceable Certificate No	Validity
Digital Thermo hygrometer	Rotronic/HP-23A	61789382/20291725 FCL-TH-08	SS/24/S1550-01	21-05-2025

Environmental Condition : Temperature : 25.4 °C Humidity: 55 %RH

#### Calibration Results:

##### Temperature Calibration Results

Standard Reading in °C	DUC Reading in °C	Error in °C	Computed Measurement Uncertainty (±) in °C
10.25	10.0	-0.25	0.5
20.31	20.1	-0.21	0.5
30.15	29.8	-0.35	0.5
40.17	39.8	-0.37	0.5

##### Humidity Calibration Results @25°C

Standard Reading in °C	Standard Reading in %RH	DUC Reading in °C	DUC Reading in % RH	Error Observed in °C	Error observed in % RH	Measurement Unc (±) in % RH
25.21	22.31	25.4	22	0.19	-0.31	0.8
25.23	58.48	25.5	58	0.27	-0.48	0.8
25.32	87.63	25.6	87	0.28	-0.63	0.8

#### Remarks :

1.The Measurement Uncertainty is estimated at a confidence level of 95.45% with a coverage factor k=2.

Calibrated by

Sanju  
Calibration Engineer



Authorized by



Vinay Kumar  
CEO

\*\*\*\*\*End of Calibration Certificate\*\*\*\*\*