



CALIBRATION CERTIFICATE

Customer Details M/s. KCRB Neethi Medical Lab & X-Ray Centre., Kunnamangalam.	Certificate Number	: CC-2022-L-0181/001
	ULR Number	: ULR-CC305022000001571F
	SRF Number	: SRF-2022-L-0181
	Date of Receipt	: 30.08.2022
	Date of Calibration	: 30.08.2022
	Recommended Due Date	: 29.08.2023
	Date of Issue	: 31.08.2022

Details of Unit Under Calibration

Description	: Thermo Hygrometer	Make	: HTC-1
Range	: 10 to 99%RH & -50 to 70°C	Model / Type	: --
Resolution	: 1%RH & 0.1°C	Accuracy	: --
Serial Number	: --	Operating Range	: 15 to 95%RH & 10 to 60°C
Identification Number	: NL/TEMP/03	Condition of UUC	: Good
Calibration at	: At Lab	Location	: --

Details of Reference Standard

Sl. No.	Description	Identification Number	Certificate Number	Validity
1	Digital Temperature Humidity Indicator with Sensor	MCI-THER-HSI-011	RI/CERT/0322/138-01	09.03.2023

Environmental Condition

Temperature °C	: 25 ± 4 °C	Work Instruction Number	: MCI-L03-WI-THER-008
Humidity %RH	: 55 ± 20 %RH	Calibrated by	: Narendra Kumar R

CALIBRATION RESULTS

Humidity @ 25°C

Results of Calibration in %RH				
Sl. No.	Standard Reading	UUC Reading	Error	Measurement Uncertainty (±)
1	13.52	14	0.48	2.55
2	48.65	50	1.35	2.55
3	93.08	95	1.92	2.55

Temperature @ 50%RH

Results of Calibration in °C				
Sl. No.	Standard Reading	UUC Reading	Error	Measurement Uncertainty (±)
1	10.43	10.3	-0.13	0.36
2	30.05	29.8	-0.25	0.36
3	60.14	59.6	-0.54	0.36

Remarks

1. This Calibration Certificate relates only to the above UUC & Reported results are valid at the time of and under the stated conditions of measurements
2. Calibration of the UUC are traceable to National / International Standards
3. This report shall not be reproduced in full/ part without prior permission of Mechatron Calibration & Instrument
4. The recalibration interval shall be determined on the user requirements
5. The Measurement uncertainty is expressed at 95.45% confidence level with coverage factor k=2

Prepared by:

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Document Number : MCI-L04-R42

Issue No. & Date : 03 & 16.08.2022



Reviewed & Approved by:

Premkumar B