



UNIQUE
CALIBRATION & MACHINES

UNIQUE CALIBRATION SOLUTIONS LLP

An ISO/IEC-17025:2017 / ACCREDITED BY NABL

Tel: 0484-4858563, 0484 - 7966984, 9971328563, 9061728563, 9778197603

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CC-3102

CALIBRATION CERTIFICATE						UID NO. : 1074
UNIQUE LAB REPORT NO (ULR NO) :			CC310222000002881F			
SRF NO:	285		Certificate No	UCSL/09-22/285_04		
Customer details :	M/s. MDC X RAYS ECG & LABORATORY OPP ALFALAH MASJID, CLUBKUNNU ROAD MANANTHAVADY ,670645					
Device Under Calibration	DIGITAL THERMO HYGROMETER			Equipment & Master Used For calibration		
Make / Model	HTC -2			01. TEMPERATURE HUMIDITY INDICATOR WITH SENSOR		
Range	-10 to 70 °C	10%RH to 99%RH		Make : ROTRONIC		
Least Count	0.1°C	1 %RH		Id. No. : UCSL/DTHM/01		
Instrument Id No.	THM-01			Certificate no : C-220712-5-4		
Instrument Sr No.	--			Next Due Date : 14.07.2023		
Location	--			Calibrated By : godrej & boyce		
Visual Inspection	OK			Accreditation No : C-2559		
Material Receipt Date	01.09.2022					
Date of Calibration	02.09.2022					
Next calibration due (As per the customer request)	02.09.2023					
Certificate Issue Date	07.09.2022					
Calibration Performed At	Thermal lab					
Discipline	Thermal					
ENVIRONMENTAL CONDITION						
Temperature	23.8 °C					
Relative Humidity	53 %RH					
OBSERVATION RESULTS						
OBSERVATION RESULTS FOR TEMPERATURE @ 50 %RH						
SL. NO.	SET VALUE	DUC READING (°C)	MASTER READING (°C)	ERROR (°C)	± Expanded Uncertainty At Approx. 95% Confidence Level (k=2) (°C)	
01	10	9.9	10.27	-0.33	0.89	
02	20	20.0	19.93	0.03	0.89	
03	30	29.9	29.92	-0.04	0.89	
04	50	49.9	50.04	-0.10	0.89	
05	70	69.9	69.80	0.06	0.89	
OBSERVATION RESULTS FOR HUMIDITY @ 25 °C						
SL. NO.	SET VALUE	DUC READING (°C)	MASTER READING (°C)	ERROR (%RH)	± Expanded Uncertainty At Approx. 95% Confidence Level (k=2) (%RH)	
01	20	19.6	20.11	-0.51	2.12	
02	30	29.6	30.12	-0.52	2.12	
03	50	49.4	50.06	-0.66	2.12	
04	80	79.4	79.82	-0.42	2.12	
05	90	89.2	89.69	-0.49	2.12	
Decision Rule is Applied or Not				Yes	No	
					✓	
Calibration Procedure Based On :- UCSL/SOP/01T						
NOTE :-						
1. The calibration results reported in this certificate are valid at the time of and the stated condition of measurement.						
2. This report should not be reproduced except in full without our prior permission in writing.						
3. Calibration certificate without signature are not valid.						
4. All the measurements are traceable to SI units through unbroken chain of calibration from the competent laboratories as per ISO/IEC/17025 standard requirements.						
5. This Calibration Certificate relates only to the above DUC						
6. DUC : Device under calibration.						
7. Measurement Uncertainty reported is at approximately 95% confidence level with k=2.						
8. Reported readings for both DUC and Master are average of 5 measurements.						
Calibrated By						
Format No : UCSL/CF/18						
				Issued / Approved By (APPU K MANI) Technical Director		

5/D3, EK Apartments, Model engineering college road Thrikkakara, Edappally, Cochin, Kerala-682021

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CC-3102

UID NO. **1075**

CALIBRATION CERTIFICATE					
UNIQUE LAB REPORT NO (ULR NO) :			CC310222000002882F		
SRF NO:	285		Certificate No	UCSL/09-22/285_05	
Customer details :	M/s. MDC X RAYS ECG & LABORATORY OPP ALFALAH MASJID, CLUBKUNNU ROAD MANANTHAVADY ,670645				
Device Under Calibration	DIGITAL THERMO HYGROMETER		Equipment & Master Used For calibration		
Make / Model	HTC -2		01. TEMPERATURE HUMIDITY INDICATOR WITH SENSOR		
Range	-10 to 70 °C	10%RH to 99%RH	Make : ROTRONIC		
Least Count	0.1 °C	1 %RH	Id. No. : UCSL/DTHM/01		
Instrument Id No.	THM-02		Certificate no : C-220712-5-4		
Instrument Sr No.	--		Next Due Date : 14.07.2023		
Location	--		Calibrated By : godrej & boyce		
Visual Inspection	OK		Accreditation No : C-2559		
Material Receipt Date	01.09.2022				
Date of Calibration	02.09.2022				
Next calibration due (As per the customer request)	02.09.2023				
Certificate Issue Date	07.09.2022				
Calibration Performed At	Thermal lab				
Discipline	Thermal				
ENVIRONMENTAL CONDITION					
Temperature	23.5 °C				
Relative Humidity	52 %RH				
OBSERVATION RESULTS					
OBSERVATION RESULTS FOR TEMPERATURE @ 50 %RH					
SL. NO.	SET VALUE	DUC READING (°C)	MASTER READING (°C)	ERROR (°C)	± Expanded Uncertainty At Approx. 95% Confidence Level (k=2) (°C)
01	10	10.0	10.24	-0.28	0.89
02	20	20.0	19.96	0.02	0.89
03	30	29.9	29.95	-0.05	0.89
04	50	50.0	50.01	-0.05	0.89
05	70	69.9	69.80	0.08	0.89
OBSERVATION RESULTS FOR HUMIDITY @ 25 °C					
SL. NO.	SET VALUE	DUC READING (°C)	MASTER READING (°C)	ERROR (%RH)	± Expanded Uncertainty At Apprx. 95% Confidence Level (k=2) (%RH)
01	20	19.4	20.06	-0.66	2.12
02	30	29.4	30.10	-0.70	2.12
03	50	49.2	50.03	-0.83	2.12
04	80	79.2	79.83	-0.63	2.12
05	90	89.0	89.71	-0.71	2.12
Decision Rule is Applied or Not				Yes	No
					✓
Calibration Procedure Based On :- UCSL/SOP/01T					
NOTE :-					
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Calibrated By			 Issued / Approved By (APPU K MANI) Technical Director		
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