



Calibration Certificate

TRUE COPY



CC-2733

FORMAT NO. BELZ/F/28

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Name & Address of Client M/s: National Centre for Quality Calibration, 4, Abhishree Corporate Park, Nr. Swagat Bunglow BRTS, Iskcon-Ambli, Ahmedabad, Gujarat, India, 380058.	Certificate No.	30083574
	ULR No.	CC273324300007264F
	Date of Issue	09/07/2024
	Date of Calibration Start & End	05/07/2024 - 05/07/2024
	Recommended Due Date	05/07/2025
	Service request No & Date	SO24-19760 - 05/07/2024

Instrument Details			
Instrument/Parameter Name	Hygropalm with Standard Probe	Accuracy/Acceptance Criteria	±0.1°C/±0.8%RH
Equipment/ Machine	N/A	Least Count/Resolution	0.01°C/0.01%RH
Equipment Location	Not Specified	Calibrated At	Lab
Make/Model	Rotronic/HP32	Condition of UUC on Receipt	Good
Sr.No.	5181935/20281776		
ID.No.	NCQC/T-161		
Range/Size	-10 to 60°C/0 to 100%RH		

Master Equipment Used [Reference Standard/Working Standard]							
Sr. No.	Instrument Name	ID/Sr.No	Accuracy/Acceptance Criteria	Uncertainty	Certificate No.	Calibrated By	Due Date
1	Super DAQ Precision Temperature Scanner With High Capacity Module	BELZ/T/DAQ-01/43580036/43660220	As Per Manual	As Per Certificate	FL/C/ET/23112023-C001	Fare Labs (NABL CC-2739)	27/11/2024
2	Secondary Platinum Resistance Thermometer, Pt-100	BELZ/T/S/SPRT-01/ 05580	As Per Manual	±(0.006 to 0.040)°C	FL/C/TH/15032024-C001	Fare Labs (NABL CC-2739)	20/03/2025
3	Digital Humidity & Temperature Indicator With Sensor	BELZ/T/RHI-03/6220 / 20365987	±0.8%RH	±0.53%RH to 0.54%RH	FL/C/TH/12012024-C002	Fare Labs (NABL CC-2739)	13/01/2025

Environmental Condition	Temperature(°C)	25±3	Calibration Method	CI(T)-07
	Relative Humidity(%RH)	30 to 70		

Calibration Results				
S.No.	Std. Avg. Readings in	UUC Avg. Readings in	Error in	Expanded Uncertainty(±)
	IN Deg C AT 50%RH	IN Deg C AT 50%RH	IN Deg C AT 50%RH	
01.	0.110	0.10	-0.010	±0.23°C
02.	10.140	10.10	-0.040	
03.	24.881	24.89	+0.009	
04.	40.179	40.12	-0.059	
05.	50.029	49.96	-0.069	
	IN %RH AT 25°C	IN %RH AT 25°C	IN %RH AT 25°C	±0.58%RH
01.	11.15	10.80	-0.35	
02.	30.10	29.59	-0.51	
03.	50.65	50.29	-0.36	
04.	70.32	69.79	-0.53	
05.	95.04	94.42	-0.62	

The Expanded Uncertainty of measurement was evaluated at a confidence-level of 95.45% with coverage factor, k=2 for a normal probability distribution.

UUC-Unit Under Calibration

Remarks: "The measurement result is within the tolerance limit specified by customer". Status-"Pass".

	Notes: 1. This Certificate refers only to the particular item submitted for calibration. 2. This Certificate shall not be reproduced, except in full, without the written permission of Chief Executive, Belt Instruments Pvt. Ltd., FARIDABAD. 3. Results Reported are valid at the time of and under the stated conditions of measurement. 4. Calibration Certificates issued for Weight & Measure parameters i.e. Mass, Balance, Volumetric equipment, Measuring Scales / Tapes etc. are for scientific purpose only and should not be used for Trade / Commercial use. 5. IAC has been calibrated against lab standards whose values are traceable to SI units through reference standards, calibrated by NPL / NABL Accredited Labs.	Calibrated by: Hemendra Singh Approved by: N.K. Mishra, K. Nishu, Vishal Verma Quality Technical Officer, Technical Manager, FARIDABAD
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BELZ CALIBRATION LAB

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NCQC System Certificate No. 335