



Calibration Certificate



FORMAT NO. BELZ/F/28

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Name & Address of Client	Certificate No.	30099321
M/s: Chavanke Engineering Private Limited, 110/1-2, Gangamal Ind. Complex, MIDC, Ambad, Nashik, Maharashtra, India, 422010.	ULR No.	CC273325300009321F
	Date of Issue	30/09/2025
	Date of Calibration Start & End	25/09/2025 - 25/09/2025
	Recommended Due Date	25/09/2026
	Service request No & Date	SRF/250909/1239 - 09/09/2025

Instrument Details			
Instrument/Parameter Name	Digital Temperature & Humidity Sensor	Accuracy/Acceptance Criteria	$\pm 0.1^{\circ}\text{C}/\pm 0.8\%\text{RH}$
Equipment/ Machine	N/A	Least Count/Resolution	0.01 $^{\circ}\text{C}$ /0.01%RH
Equipment Location	Not Specified	Calibrated At	Lab
Make/Model	Rotronic/HP-32	Condition of UUC on Receipt	Good
Sr.No.	5181966/20291596		
ID.No.	T/H-09		
Range/Size	-10 to 60 $^{\circ}\text{C}$ /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	Secondary Platinum Resistance Thermometer with Indicator (Ch-01)	BELZ/T/S/SPRT-01/ 05580, Indicator ID/S. No. 43580036	As Per Manual	$\pm (0.002 \text{ to } 0.008)^{\circ}\text{C}$	FL/C/TH/28032025-C005	Fare Labs (NABL CC-2739)	08/04/2026
2	Digital Humidity & Temperature Indicator With Sensor	BELZ/T/RHI-03/ 6220 / 20365987	$\pm 0.8\%\text{RH}$	$\pm 0.47\%\text{RH}$ to $0.48\%\text{RH}$	FL/C/TH/30122024-C001	Fare Labs (NABL CC-2739)	30/12/2025

Environmental Condition	Temperature($^{\circ}\text{C}$)	25 $\pm$ 3	Calibration Method	CI(T)-07
	Relative Humidity(%RH)	30 to 70		

Calibration Results

Sr. No.	Std.Avg.Readings in	UUC Avg.Readings in	Error in	Expanded Uncertainty($\pm$)
	IN Deg C AT 50%RH	IN Deg C AT 50%RH	IN Deg C AT 50%RH	
01.	0.122	0.21	+ 0.088	± 0.23
02.	5.112	5.04	-0.072	
03.	10.123	10.08	-0.043	
04.	25.120	25.03	-0.090	
05.	35.243	35.18	-0.063	
06.	50.106	50.02	-0.086	
	IN %RH AT 25 $^{\circ}\text{C}$	IN %RH AT 25 $^{\circ}\text{C}$	IN %RH AT 25 $^{\circ}\text{C}$	
01.	15.35	15.11	-0.24	$\pm 0.62\%\text{RH}$
02.	25.38	25.25	-0.13	
03.	40.39	40.13	-0.26	
04.	60.35	60.14	-0.21	
05.	75.45	75.22	-0.23	
06.	90.72	90.13	-0.59	

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 results are within the tolerance limit specified by customer". Status-"Pass"		
	Notes: - This Certificate refers only to the particular item submitted for calibration. - This Certificate shall not be reproduced, except in full, without the written permission of Chief Executive Belz Instruments Pvt. Ltd., FARIDABAD. - Results Reported are valid at the time of and under the stated conditions of measurement. - 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. - UUC has been calibrated against lab standards whose values are traceable to SI units through reference standards, calibrated by NPL / NABL Accredited Labs.	Calibrated by: Priya Bhardwaj Calibration Engg. Approved by: N.K.Nehra/A.K. Nehra/ Vaishali Nehra Quality/Technical/Dy. Technical Manager