



Calibration Certificate



FORMAT NO. BELZ/F/28

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Name & Address of Client	Certificate No.	30097184
M/s: Chavanke Engineering Private Limited, 110/1-2, Gangamal Ind. Complex, MIDC, Ambad, Nashik, Maharashtra, India, 422010.	ULR No.	CC273325300007184F
	Date of Issue	24/07/2025
	Date of Calibration Start & End	23/07/2025 - 24/07/2025
	Recommended Due Date	24/07/2026
	Service request No & Date	SRF/250714/860 - 14/07/2025

Instrument Details			
Instrument/Parameter Name	Digital Humidity & Temperature Indicator With Sensor	Accuracy/Acceptance Criteria	$\pm 0.2^{\circ}\text{C}/\pm 0.8\%\text{RH}$
Equipment/ Machine	N/A	Least Count/Resolution	$0.01^{\circ}\text{C}/0.01\%\text{RH}$
Equipment Location	Not Specified	Calibrated At	Lab
Make/Model	Sansel/HTD200	Condition of UUC on Receipt	Good
Sr.No.	HTD0720240005/3037HT1884		
ID.No.	T/H-10		
Range/Size	-40 to $85^{\circ}\text{C}/0$ to $100\%\text{RH}$		

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($\%\text{RH}$)	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.	0.132	0.07	-0.062	$\pm 0.23^{\circ}\text{C}$
02.	5.157	5.06	-0.097	
03.	10.212	10.03	-0.182	
04.	25.225	25.08	-0.145	
05.	35.228	35.12	-0.108	
06.	50.338	50.19	-0.148	
	IN %RH AT 25 $^{\circ}\text{C}$	IN %RH AT 25 $^{\circ}\text{C}$	IN %RH AT 25 $^{\circ}\text{C}$	
01.	10.33	10.05	-0.28	$\pm 0.62^{\circ}\text{C}$
02.	25.36	25.07	-0.29	
03.	40.29	40.05	-0.24	
04.	60.42	60.08	-0.34	
05.	75.50	75.11	-0.39	
06.	95.56	95.13	-0.43	

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: 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 Belz 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. 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

BELZ CALIBRATION LAB

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