



# PRECEDENCE CALIBRATION LABORATORY

PLOT/R.S DAG NO. - 231 ,  
MOHISGOTE, KRISHNAPUR MAIN ROAD ,  
P. O. - KRISHNAPUR, KOLKATA - 700102 .



CC -3325

Form No. PCL/FORM/09/01-21  
ULR- CC33252300000340F

CALIBRATION CERTIFICATE

Certificate No: PCL/C05/065/02-23/NABL  
Date: 18-02-2023

Issued To M/s Central Pollution Control Board  
Regional Directorate: 502, Southend Conclave, 1582, Rajdanga Main Road, Kolkata-700107

Receive Date: 17.02.2023  
Date of Calibration: 18.02.2023  
Recommended due date: 18.02.2024  
Calibration Sticker No: P-1265

Customer Reference No. (S.R. No.): SRF/C05/007/02-23 dated 14-02-2023

Description and Identification of instrument

Location where calibration performed: In-House.

Name: Dry & Wet Bulb Thermometer (Hygrometer)

Make: JRM

Model: -10 to 50 °C

Id No.: LAB/02/12

Range: -10 to 50 °C

Resolution: 1 °C

Physical Status of item: Good condition.

Environmental Condition: Temperature: 25.0 °C ± 3 °C Humidity: 45% to 70 % R.H.

Calibration Method: Laboratory Method for Calibration of Thermometer (PCL/SOP/01/2021).

Standards used:

- ULTRA CRYOGENIC BATH (Make: Nagman., Model: NAG CS 01, Id No: PCL/C-B/064), Cal Certificate No: PCL/INT/C-B/064/02-23, Due Date: 13.02.2024
- Silicon Oil Medium Temperature Bath (Make: Lokenath Enterprises., Model: 300 °C, Id No: PCL/O-B/064), Cal Certificate No: PCL/INT/O-B/064/02-22, Due Date: 13.02.2023
- Master RTD A Class with Digital Multimeter (Make: Siglent., Model: SDM 3065-X-SC, Id No: PCL/TEMP-I/021, PCL/PT-100/024), Cal Certificate No: ERTL(E)/CAL/P359/0014/02-23/NABL, Due Date: 07.02.2024

Traceability: Reference Standards used for calibration are traceable to National Standards.

Calibration Result:

Discipline: THERMAL

SL NO:	Standard Value in °C	Measured Value in °C		Expanded Uncertainty at 95% C.L (±) °C & k=2 in °C
		Dry	Wet	
1	15.0036	15	15	0.35
2	20.0056	20	20	0.35
3	25.0048	25	25	0.35
4	30.0047	29	29	0.25
5	45.0085	44	44	0.26

DUC: Device Under Calibration,

Remarks: The above Dry & Wet Bulb Thermometer has been calibrated and the readings are tabulated above.

Conformity Statement: Performance Check has been done as requested by customer.

Calibrated by:

*Subham Bhattacharya*  
(Signature)

Reviewed & Approved by:

*Chellappa*  
18/02/2023  
(J.B. Chattopadhyay)  
Authorized Signatory

Calibration Certificate released by:

*Subham Bhattacharya*  
(Signature)

Date: 18.02.23

This Calibration Certificate refers only to the item calibrated and shall not be reproduced in Director (Technical), Precedence Calibration Laboratory, Kolkata.

**PCL PRECEDENCE CALIBRATION LABORATORY**  
KOLKATA-700102  
Sticker No : P/U/M-1265  
Nomenclature : DRY & WET BULB THERMOMETER  
Model No : -10 to 50 °C SI/ID No : LAB/02/12  
Calibration Date : 18-02-23 Auth. Sig.  
Calibration Due Date : 18-02-24 SB  
FOR DETAILS REFER TO CALIBRATION CERTIFICATE