

THE PIPETEMANN

NABL ACCREDITED CALIBRATION LABORATORY
ADDING ACCURACY TO YOUR EQUIPMENT

MASS - VOLUME - THERMAL - SPEED - PRESSURE - TIMER - ELECTRO TECHNICAL



CERT. NO. CC - 2317

CALIBRATION CERTIFICATE

CUSTOMER ADDRESS :

M/s. SRI BABA DIAGNOSTICS CENTRE,
No.6, VELLAI CHETTY STREET,
UTHIRAMERUR, KANCHIPURAM,
CHENNAI-603406.
PHONE NUMBER: 9585318761

DEVICE UNDER CALIBRATION : TEMPERATURE CONTROLLER WITH SENSOR (REFRIGERATOR)	DISCIPLINE : THERMAL CALIBRATION
UNIQUE LAB REPORT NUMBER : ULR - CC231720000004098F	PARAMETER : TEMPERATURE
CERTIFICATE NO' : TPMCCT20120577	DATE OF ISSUE : 03.12.2020
RECEIPT NO' : 9567	RECEIPT DATE : 03.12.2020
JOB CARD NO' : TPM859122043028	JOB CARD DATE : 03.12.2020
MAKE : TEMPERATURE INDICATOR	TEMPERATURE : 26.6°C
MODEL NO' : NIL	HUMIDITY : 65 %RH
SERIAL NO' / ID.NO' : TI-01	REFERENCE STANDARD USED : RTD SENSOR
RANGE : 2 °C to 8°C	STANDARDS REFERRED : DKD R-5-1:2009
RESOLUTION : 0.1°C	CALIBRATION PROCEDURE No': MSP 7.2.1.1-9
CALIBRATED ON : 03.12.2020	CALIBRATION DUE ON : 02.12.2021
CALIBRATION LOCATION : ON-SITE	CONDITION OF DUC RECEIVED : GOOD
SCOPE OF ACCREDITATION – THERMAL – TEMPERATURE- RTD SENSOR WITH OR WITHOUT INDICATOR (-35°C to 600 °c)	

METHOD OF CALIBRATION:

Based on DKD R-5-1:2009 standards our calibration procedure is applied for RTD with or without indicator Calibration.

DETAILS OF MASTER EQUIPMENTS USED FOR CALIBRATION:

MASTER EQUIPMENT'S NAME	SERIAL NUMBER	CERTIFICATE NUMBER	CALIBRATION VALIDITY	CALIBRATED BY	TRACEABILITY
RTD Sensor	RTD042K170037	ULR-CC287920000004886F	14/09/2021	SANSEL	National Standards
Dry Block Temperature Calibrator	TCAL042K170036	RMTL/01/320104407-A1	13/10/2021	ROOTS	National Standards
High Precision Digital Thermometer	HHPT042K180025	RMTL/01/320100168-A5	19/05/2021	ROOTS	National Standards

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NO. 22, FIRST FLOOR, PRASHANTHI NAGAR, K.R. PURAM, AVARAMPALAYAM ROAD, COIMBATORE - 641 006, TAMIL NADU, INDIA.

PHONE : 91-422-2568182 / 2568183 MOBILE : 91-98430 59043 / 98949 55733 E-mail : thepipetemann@gmail.com Website : www.pipetemann.in

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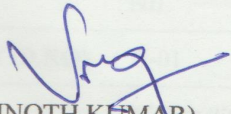
CERTIFICATE NO'. : TPMCCT20120577

CALIBRATION RESULTS:

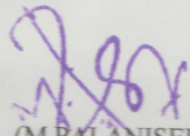
SL. NO'	RANGE (°C)	STANDARD READING (°C)	DUC READING (°C)	DEVIATION (°C)	UNCERTAINTY (±°C)	CMC (Approved by NABL) (°C)
1	2	2.20	2.4	0.20	1.36	0.74 to 1.26
2	4	4.31	4.6	0.29	1.36	0.74 to 1.26
3	6	6.17	5.9	-0.27	1.36	0.74 to 1.26
4	8	8.19	8.6	0.41	1.36	0.74 to 1.26

The reported uncertainties are at Coverage factor $k = 2$ for effective degree of freedom = ∞ and the confidence level is 95%.

CALIBRATED BY


(M.VINOTH KUMAR)
CALIBRATION ENGINEER

APPROVED BY


(M.PALANISELVAN)
TECHNICAL DIRECTOR

DECLARATION:

The calibration certificate is issued for temperature controller with sensor used for scientific or industrial purpose only.

REMARKS:

1. The recalibration interval should be determined on the user requirement
2. Master equipments used for calibration are traceable to National Standards
3. The calibration results reported are valid at the time of and under the stated conditions of the Measurement
4. Results presented in this certificate relate only to the item mentioned & calibrated by **THE PIPETEMANN**
5. This certificate shall not be reproduced except in full without written approval of **THE PIPETEMANN**
6. All precautions have been taken to avoid any error or omission while calibrating the DUC and issuing this certificate.
7. The Temperature measurements are recorded as observed. Hence the results are reported without any adjustment.
8. DUC: Device Under Calibration , CMC : Calibration Measurement Capability

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