



# MEASURE TECHNO LAB

2, B.T. ROAD (JAYANTI CINEMA COMPLEX), BARRACKPORE,  
KOLKATA - 700120, W.B.



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## CALIBRATION CERTIFICATE OF DIGITAL THERMOMETER

NABL ACCREDITED LABORATORY  
Certificate No. CC - 2543

CALIBRATION CERTIFICATE NO.: MTL / NCH(M) / R02 / 12 - 22

ULR - CC254522000035471F

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1.0 Service Request No.: MTL / 19H / 12 / 22 - 23

1.1 Issued to: M/s. Nongpoh Civil Hospital,  
ICTC Nongpoh,  
Dist. - Ribhoi, Meghalaya, Pin. - 793102.

1.2 Description & Identification of item to be Calibrated:	a) Name:	Digital Thermometer	b) Code No.:	CHC / NONG / ICTC / DT - 01
	c) Sl. No.:	N.S.	d) Make:	Wavess
	e) Model / Type:	N.S.	f) Range:	(-) 50 °C to 50 °C
	g) Sensor:	N.A.	h) Resolution:	0.1 °C
	i) End User:	ICTC Lab	j) Accuracy:	N.S.
	k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item : 19-12-22      1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 19-12-22      1.6 Recommended date of next calibration : 19-12-23

1.7 Date of Issue : 22-12-22

1.8 Environmental Conditions During Calibration:      Temperature: 25.2 °C  
Humidity: 65.2 % RH

1.9 Method of Calibration: SOP / TH / 01 (A)

### 2.0 Traceability :

- a) Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.
- b) The following standards / Equipment have been used.

- i) Data Acquisition Switch Unit Cal. Certificate No. JRPM - CCTR - ET - 2022 - 1498 (JRPM, Chennai) (Cal. Date: 25/08/22, Due Date: 24/08/23)
- ii) RTD (PT - 100) Cal. Certificate No. TL / 022 / 1166.2.1 (TEMSENS, Udaipur) (Cal. Date: 19/10/22, Due Date: 18/10/23)

### 2.1 Result :

#### Thermal Calibration

Sl. No.	Parameter/ Range	Measured Value on DUC °C	Corrected Std. Value °C	Error °C	Measurement Expanded Uncertainty ± °C
1.	Temperature (-) 50 °C to 50 °C	-28.9	-28.702	-0.198	0.63
2.		-15.2	-14.965	-0.235	0.63
3.		0.4	0.711	-0.311	0.63
4.		30.2	30.575	-0.375	0.63
5.		49.1	49.509	-0.409	0.63

- Remarks: i) This result has an expanded uncertainty with a coverage factor k=2 at approximately 95% confidence level.  
 ii) The calibration certificate issued for this instrument is to be used for scientific or industrial purposes only.  
 iii) Error = DUC Reading - Standard Reading.

DUC - Device Under Calibration      N.S. - Not Specified      N.A. - Not Applicable      Std. - Standard

Opinions and Interpretations	
Calibrated	√ Accepted / Valid for use
Limited Use	Rejected / Out of use

Calibration Engineer  
 Measure Techno Lab  
 Kolkata  
 A.Bera  
 Calibration Engineer

Checked / Approved by:  
  
 Quality & Technical Manager  
 S. Pandey