



# MEASURE TECHNO LAB

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



Phone : 033 - 2215 - 0032, 2215 - 9687, 8100875519, Mobile: 9831190974,  
LAB:- 8100143376, E-mail: measuretechno@yahoo.co.in

## CALIBRATION CERTIFICATE OF DIGITAL THERMOMETER

CC - 2545

BRATION CERTIFICATE NO.: MTL / BMC / R03 / 11 - 23

ULR - CC254523000038272F

Page: 1 of 1

0 Service Request No.: MTL / 10A / 11 / 23 - 24

1 Issued to: MOIC, ICTC (ANC),  
Department of Gynae & Obstetrics,  
Burdwan Medical College,  
Purba Burdwan - 713104.

2 Description & Identification of item	a) Name:	Digital Thermometer	b) Code No.:	ICTC / ANC / BMCH / DT - 004
3 to be Calibrated:	c) Sl. No.:	N.S.	d) Make:	N.S.
	e) Model / Type:	N.S.	f) Range:	As Per report
	g) Sensor:	N.A.	h) Resolution:	0.1 °C
	i) End User:	ICTC ANC	j) Accuracy:	N.S.
	k) Calibration done at:	√ On Site / In House		

3 Date of receipt of item :	10-11-23	1.4 Physical Condition of DUC :	OK
5 Date of calibration :	10-11-23	1.6 Recommended date of next calibration :	10-11-24
7 Date of Issue :	11-11-23		

8 Environmental Conditions During Calibration:	Temperature:	25 °C ± 2 °C
	Humidity:	55 % RH ± 10 % RH

9 Method of Calibration: SOP / TH / 04 (A)

### 10 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 Unit Cal. Certificate No. C&IJ/CAL/22-12/032 (C&ICPL, Jaipur) (Cal. Date: 14/12/22, Due Date: 14/12/23)
- ii) 4 Wire RTD Cal. Certificate No. TL / 023 / 568.1.1 (TEMPESENS, Udaipur) (Cal. Date: 13/05/23, Due Date: 12/05/24)

### 11 Result :

#### Thermal Calibration (Temperature)

Sl. No.	Parameter/ Range	Measured Value on DUC °C	Corrected Std. Value		Error °C	Measurement Expanded Uncertainty ± °C
			Ohms	°C		
1.		0.0	99.922	-0.199	0.199	0.23
2.	Temperature	10.2	103.890	9.969	0.231	0.23
3.		30.1	111.570	29.735	0.365	0.23
4.		49.8	119.136	49.322	0.478	0.23
5.		68.9	126.453	68.374	0.526	0.41

- 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.
- iv) Calibrations are carried out without any adjustment or repair.

C - 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  
J. Dey

Calibration Engineer

Checked / Approved by:

Quality / Technical Manager

S. Pandey

Form No. - MTL/22/2006

Issue No. : 2

Issue Date : 10.11.06

Rev. No. : 04

Rev. Date : 01.04.22





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CC - 2545

## CALIBRATION CERTIFICATE OF GLASS THERMOMETER

Page: 1 of 1

BRATION CERTIFICATE NO.: MTL / BMC / R04 / 11 - 23

ULR - CC254523000038273F

0 Service Request No.: MTL / 10A / 11 / 23 - 24

1 Issued to: MOIC, ICTC (ANC),  
Department of Gynae & Obstetrics,  
Burdwan Medical College,  
Purba Burdwan - 713104.

2 Description & Identification of item	a) Name:	Glass Thermometer	b) Code No.:	ICTC / ANC / BMCH / GT - 01
3 to be Calibrated:	c) Sl. No.:	N.S.	d) Make:	N.S.
	e) Model / Type:	N.S.	f) Range:	(-) 20 °C to 50 °C
	g) Sensor:	N.A.	h) Resolution:	1 °C
	i) End User:	ICTC ANC	j) Accuracy:	N.S.

k) Calibration done at:  On Site /  In House

4 Date of receipt of item : 10-11-23 1.4 Physical Condition of DUC : OK

5 Date of calibration : 10-11-23 1.6 Recommended date of next calibration : 10-11-24

6 Date of Issue : 11-11-23

7 Environmental Conditions During Calibration:	Temperature:	25 °C ± 2 °C
	Humidity:	55 % RH ± 10 % RH

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

### Traceability :

a) Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.

b) The following standards / Equipment have been used.

1) Data Acquisition Unit Cal. Certificate No. C&IJ/CAL/22-12/032 (C&ICPL, Jaipur) (Cal. Date: 14/12/22, Due Date: 14/12/23)

2) 4 Wire RTD Cal. Certificate No. TL / 023 / 568.1.1 (TEMPSENS, Udaipur) (Cal. Date: 13/05/23, Due Date: 12/05/24)

### Result :

Thermal Calibration: (Temperature)

Sl. No.	Parameter/ Range	Measured Value on DUC °C	Corrected Std. Value		Error °C	Measurement Expanded Uncertainty ± °C
			Ohms	°C		
1.		-19	92.638	-18.784	-0.216	0.23
2.	Temperature	-15	94.241	-14.703	-0.297	0.23
3.	(-) 20 °C to 50 °C	1	100.534	1.366	-0.366	0.23
4.		29	111.472	29.482	-0.482	0.23
5.		49	119.242	49.596	-0.596	0.23

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.

iv) Calibrations are carried out without any adjustment or repair.

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

Dimension Depth - 76 mm

### Opinions and Interpretations

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

Calibration Engineer  
Measure Techno Lab.  
Kolkata  
J. Dey  
Calibration Engineer

Checked by:   
Quality / Technical Manager  
S. Pandey



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LAB:- 8100143376, E-mail: measuretechno@yahoo.co.in



## CALIBRATION CERTIFICATE OF GLASS THERMOMETER

Calibration Certificate No.: MTL / BMC / R05 / 11 - 23

ULR - CC254523000038274F

CC - 2545

Page: 1 of 1

Service Request No.: MTL / 10A / 11 / 23 - 24

Issued to: MOIC, ICTC (ANC),  
Department of Gynae & Obstetrics,  
Burdwan Medical College,  
Purba Burdwan - 713104.

### Description & Identification of Item

a) Name: Glass Thermometer  
b) Code No.: ICTC / ANC / BMCH / GT - 002  
c) Sl. No.: N.S.  
d) Make: N.S.  
e) Model / Type: N.S.  
f) Range: (-) 10 °C to 110 °C  
g) Sensor: N.A.  
h) Resolution: 1 °C  
i) End User: ICTC ANC  
j) Accuracy: N.S.  
k) Calibration done at:  On Site / In House

Date of receipt of item : 10-11-23

1.4 Physical Condition of DUC : OK

Date of calibration : 10-11-23

1.6 Recommended date of next calibration : 10-11-24

Date of Issue : 11-11-23

### Environmental Conditions During Calibration:

Temperature: 25 °C ± 2 °C  
Humidity: 55 % RH ± 10 % RH

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

### Traceability :

Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.

The following standards / Equipment have been used.

Data Acquisition Unit Cal. Certificate No. C&I/CAL/22-12/032 (C&ICPL, Jaipur) (Cal. Date: 14/12/22, Due Date: 14/12/23)

Wire RTD Cal. Certificate No. TL / 023 / 568.1.1

(TEMSENS, Udaipur) (Cal. Date: 13/05/23, Due Date: 12/05/24)

### Result :

#### National Calibration: (Temperature)

Sl. No.	Parameter/ Range	Measured Value on DUC °C	Corrected Std. Value		Error °C	Measurement Expanded Uncertainty ± °C
			Ohms	°C		
1.	Temperature (-) 10 °C to 110 °C	-19	92.638	-18.783	-0.217	0.23
2.		-15	94.236	-14.715	-0.285	0.23
3.		0	100.147	0.375	-0.375	0.23
4.		30	111.852	30.463	-0.463	0.23
5.		48	118.857	48.598	-0.598	0.23

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.

IV) Calibrations are carried out without any adjustment or repair.

Device Under Calibration

N.S. - Not Specified

N.A. - Not Applicable

Std. - Standard

Resolution Depth - 76 mm

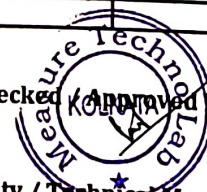
### Opinions and Interpretations

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

Calibration Engineer  
Measure Techno Lab.  
Kolkata  
Calibration Engineer

J. Dey

Checked / Approved by:



Quality / Technical Manager  
S. Pandey

No. - MTL/22/2006

Issue No. : 2

Issue Date : 10.11.06

Rev. No. : 04

Rev. Date : 01.04.22



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## CALIBRATION CERTIFICATE OF GLASS THERMOMETER

Calibration Certificate No.: MTL / BMC / R06 / 11 - 23

ULR - CC254523000038275F

Page: 1 of 1

Service Request No.: MTL / 10A / 11 / 23 - 24

Issued to: MOIC, ICTC (ANC),  
Department of Gynae & Obstetrics,  
Burdwan Medical College,  
Purba Burdwan - 713104.

Description & Identification of item  
Calibrated:

a) Name:	Glass Thermometer	b) Code No.:	ICTC / ANC / BMCH / GT - 005
c) Sl. No.:	N.S.	d) Make:	Victo
e) Model / Type:	N.S.	f) Range:	(-) 10 °C to 110 °C
g) Sensor:	N.A.	h) Resolution:	1 °C
i) End User:	ICTC ANC	j) Accuracy:	N.S.
k) Calibration done at:	√ On Site / In House		

Date of receipt of item : 10-11-23  
Date of calibration : 10-11-23  
Date of Issue : 11-11-23

1.4 Physical Condition of DUC : OK  
1.6 Recommended date of next calibration : 10-11-24

Environmental Conditions During Calibration: Temperature: 25 °C ± 2 °C  
Humidity: 55 % RH ± 10 % RH

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

Traceability :

Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.

The following standards / Equipment have been used.

Standard Acquisition Unit Cal. Certificate No. C&IJ/CAL/22-12/032 (C&ICPL, Jaipur) (Cal. Date: 14/12/22, Due Date: 14/12/23)

Wire RTD Cal. Certificate No. TL / 023 / 568.1.1 (TEMPSSENS, Udaipur) (Cal. Date: 13/05/23, Due Date: 12/05/24)

Result :

Final Calibration: (Temperature)

Sl. No.	Parameter/ Range	Measured Value on DUC °C	Corrected Std. Value		Error °C	Measurement Expanded Uncertainty ± °C
			Ohms	°C		
1.		-9	96.591	-8.711	-0.289	0.23
2.	Temperature	31	112.189	31.333	-0.333	0.23
3.	(-) 10 °C to 110 °C	52	120.317	52.391	-0.391	0.41
4.		76	129.528	76.416	-0.416	0.41
5.		108	141.704	108.445	-0.445	0.41

- 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.  
IV) Calibrations are carried out without any adjustment or repair.

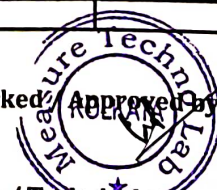
Device Under Calibration: N.S. - Not Specified      N.A. - Not Applicable      Std. - Standard  
Resolution Depth - 76 mm

### Opinions and Interpretations

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

Calibration Engineer  
Measure Techno Lab.  
Kolkata  
J. Dey  
Calibration Engineer

Checked: Approved By:



Quality / Technical Manager  
S. Pandey

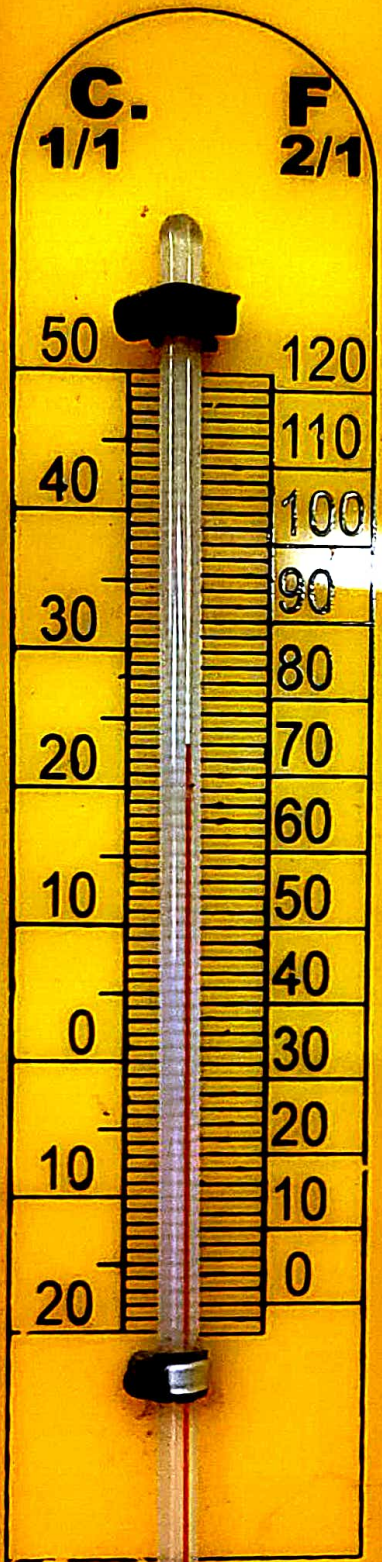
No. - MTL/22/2006      Issue No. : 2      Issue Date : 10.11.06      Rev. No. : 04      Rev. Date : 01.04.22





MEASURE TECHNO LAB  
TYPE: Glass  
THERMOMETER  
CAL DT: 10-11-23  
CODE: Jara/Avil  
NO: 8424/62009  
SIGN: RB  
Recommended date of next calibration: 10-11-24





MEASURE TECHNO LAB  
TYPE *Glass* CODE *JCTEJANC1*  
*Thermometer* NO. *BMCHGT-01*  
CAL. DT. *10.11.23* SIGN. *OK*  
Recommended date of next calibration: *10.11.24*



MEASURE TECHNO LAB  
TYPE *GL225* CODE *JCTC/AHC*  
*Thermometer* NO. *BMCH/6Z005*  
CAL DT. *10-11-23* SIGN. *SB*  
Recommended date of next calibration *10-11-24*

Fruit



Vegetables