



# TMSCC

TESTING MACHINE SERVICE AND CALIBRATION CENTRE  
Precision is Our Destination.....

An NABL Accredited Calibration Laboratory  
A Constituent Board of Quality Council of India

An ISO 9001 : 2015 Certified company

Calibration of Various Instruments & Testing Machines...



CC - 3125

Form No.: TMSCC/R/23

## CALIBRATION CERTIFICATE

CALIBRATION CERTIFICATE NO.: TMSCC-1126-22-23 Page 1 of 2

ISSUE DATE : 25-May-2022

ULR No.: CC31252200002180P

1.0 ISSUED TO : M/s.: ICTC, MCH  
88, College Street, Kolkata - 700 073

1.1 Service Request Form No.: SRF/22-23/05/042

1.2 Service Request Date : 24-05-2022

1.3 Location : At Lab

1.4 Description identification of item to be calibrated :

i	Name :	Digital Thermometer	ii	Make :	Aceteq
iii	Model / Type No.:	ST 9283B	iv	S/L No.:	--
v	I.D.No.:	ICTC/DTM/01	vi	Job Code No.:	22-23/1126
vii	Range :	(-50 to 300)°C	viii	Resolution :	0.1°C
ix	Accuracy :	As Per DKD R5 - 1	x	End User :	--

1.5 Full / Partial Calibration : Partial Calibration

1.6 Applicable specification of item to be calibrated: Accuracy / permissible limit : Not Specified.

1.7 Date of receipt of item : 24-May-2022 1.8 Date of calibration : 24-May-2022

1.9 Calibration due on : 24-May-2023 2.0 Frequency of calibration once in : 365 Days

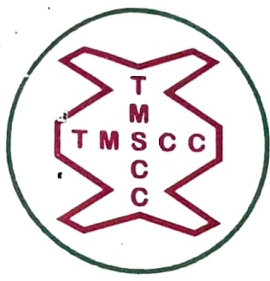
2.1 Environmental condition during calibration :  
Temperature : 25°C ± 5°C  
Humidity : (50 ± 20)% RH

2.2 Basis of calibration : SOP/10/02

- The above Instrument has been calibrated over its range and the results are tabulated from page 2 of report.
- The Calibration Certificates relates only to the above DUC & reported results are valid at the time of and under the stated conditions of measurements.
- Errors if any, in this certificate shall be brought to notice within 45 days from the date of this certificate.
- NABL-133 guidelines are adopted for use of NABL symbol.
- This certificate shall not be reproduced, except in full, without the written permission of TMSCC
- Corrections/erasing, invalidate the Calibration Certificate- exception to the 'Final Page or Part of this Report- provided for incorporation of additional data( To be filled by customer authorized signatory and not under calibration laboratory control).
- Laboratory Standards are traceable to National Standards
- In Result Sheets, 'Pass' indicates measured readings are within specification limit, 'Fail' Indicates measured readings are out of specification limit & '-' indicates no specification limit furnished. Acceptance criteria as per IS

2.3 Traceability : Standards used for calibration are traceable to National Standards through NABL accredited Laboratory.

Name of Instrument	Sl. No. / ID no.	Certificate No.	Lab Certificate No.	Calibrated On	Due On
Digital Temperature Indicator with Sensor(RTD)	Sl. No.- 18K588073 (Sensor Sl. No.- 19102403)	TSC/20-21/7842-36	CC-2231	24-11-2020	24-11-2022



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Form No.: TMSCC/R/23		CC No.: TMSCC-1126-22-23			
		Date : 25-May-2022			
		Page No.: 2 of 2			
<b>CALIBRATION RESULTS</b>					
Sl. No.	Denomination set in °C	Observed Reading at Ref. Std. in °C (Avg. of five readings)	Error in °C	Uncertainty in ± °C	Acceptance Criteria
1	-35.0	-35.071	-0.071	0.19	Pass
2	10.0	10.020	0.020	0.19	Pass
3	100.0	100.202	0.202	0.28	Pass
4	200.0	200.404	0.404	0.28	Pass
5	280.0	280.566	0.566	0.28	Pass
<b>Maximum Permissible Error :</b>		<b>± 0.3% of rdg</b>			
Measurement Uncertainty at 95% confidence level where coverage factor, k=2					
REMARKS : The DUC has been calibrated over its range. The readings observed are tabulated above. The reference standard is traceable to National standard.					
DUC: Device Under Calibration.					
Physical Status of the DUC : OK					


Calibrated By :

  
**J. Bhattacharjee**  
(Sr. Calibration Engineer)

Checked By :

  
**C. Ghosh**  
(Technical Director)

Approved By :

  
**P. K. Modak**  
(Sr. Calibration Engineer)

END OF CERTIFICATE

