



Government of India (भारत सरकार)  
 Ministry of Electronics & Information Technology  
 एलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी विभाग  
 Standardisation Testing & Quality Certification Directorate  
 प्रमाणिकरण परीक्षण एवं गुणवत्ता प्रमाणन निदेशालय  
**ELECTRONICS REGIONAL TEST LABORATORY (NORTH)**  
 एलेक्ट्रॉनिक्स क्षेत्रीय परीक्षण प्रयोगशाला (उत्तर)  
 S Block, Okhla Industrial Area, Phase-II, New Delhi-110020  
 एच-ब्लॉक, ओखला औद्योगिक क्षेत्र, फेज-11, नई दिल्ली-110020



Certificate No. CC/1187

U/R No.		CC213720100000061E		
CALIBRATION CERTIFICATE NUMBER		CALIBRATION COMPLETED ON	RECOMMENDED DATE OF NEXT CALIBRTION	PAGE NUMBER
ERTL(N)/2020/AR0878		25/02/2020	25/02/2021	03 of 07

1. Service Request Form	Number	19C0294
	Date	09-01-2020
2. Customer	Name	M/s Indian Calibration Services.
	Address	313 Laxmideep District Centre, Laxmi Nagar, Delhi-92
3. Description of Item	Discipline	Thermal Calibration
	Nomenclature	RTD Sensor with Digital Indicator
	Make/Trade Mark	UDIAN
	Model No./Type No.	-----
	Serial No.	A1-5600
	Condition	Good
	Date of Receipt	15/01/2020
4. Name & address where calibration carried out (In-house /On-site)		ERTL(N)
5. Calibration method / Operating procedure		Cal-NF-TI+Sensor/28
6. Accuracy		Not Specified
7. Environmental Conditions	Temperature	25±3°C
	Relative Humidity	45% to 75%

Calibrated by  
 (Ashok Kumar)  
 Scientist 'C'

13-05-2020  
 Approved by  
 (Ashok Kumar)  
 Scientist 'E'

13-05-2020  
 Issued by  
 (Ved Prakash)  
 Scientist 'B'



# Indian Calibration Services

An Exclusive House for Validation & Calibration of Analytical Instruments

304 & 313, Laxmi Deep, District Centre, Near Nirman Vihar Metro Station, Laxmi Nagar, Delhi-110092

Phone / Fax : (011) 22453259, 22434362, 9599482307

E-mail : indiancalibrationservices@gmail.com Website : www.multitechics.com

## CALIBRATION CERTIFICATE

Page 1 of 1

### CALIBRATION CERTIFICATE OF DIGITAL TEMPERATURE INDICATOR WITH SENSOR

Certificate No:	21100001543	Issued On:	06/02/2021
ULR No:	CG214621100001543F	Calibration Date:	04/02/2021
Job Identification No:	ICS/C/T/02/1543	Next Calibration Date:	03/02/2022
Ref. No:	SRF- Dated: 04/02/2021		

**CALIBRATED FOR:** M/s Tomar Foundation Pathology Lab.  
17-A, PKT-J, Mayur Vihar,  
Phase-1, Delhi-110091.

#### EQUIPMENT DESCRIPTION

Name	Digital Temperature Indicator with Sensor		
Make/Model		Visual Inspection	Ok
Serial No.		I.D. No.	DTL-01
Range	-50°C to 200°C	Least Count	0.1° C
Location		Calibration Site	In-Lab

#### ENVIRONMENTAL CONDITIONS

Temperature	25.0 °C ± 3.0° C	Humidity	50 ± 10 % RH
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#### STANDARD REFERENCE DETAILS

Traceable to National Standard (NPL, New Delhi)

Name of the Standard	Make	Certificate No.	Calibration Agency/Traceability	Date of Calibration	Valid up to
RTD Sensor with Digital Indicator	Udian	ERTL(N)/2020/AR0878	ERTL (NORTH)	25/02/2020	25/02/2021

#### USED EQUIPMENT DETAILS

Melhanol Bath, Water Bath & Dry Block Calibrator

#### PRINCIPLE/METHODOLOGY OF CALIBRATION:

As per Calibration Procedure No.: ICS/CAL/SOP-TH02 (ITS-90)  
(Comparison Method)

#### RESULTS: Thermal Calibration

All readings are in "° C"

U.U.C. READING	CORRECTED VALUE OF STANDARD (AVG.)	Uncertainty at approx 95% C.L and coverage factor k=2
-20.0	-19.863	± 0.18
30.0	30.112	± 0.28
50.0	50.205	± 0.28
100.0	100.334	± 0.41
200.0	200.458	± 0.41

**REMARKS:** The recommended date for next calibration is mentioned, as asked by the customer.

\*\*\*END OF REPORT\*\*\*

- Note:**
- This report is not to be reproduced wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without our special permission in writing.
  - The result listed refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied.
  - Total liability of our Organisation is limited to the invoiced amount.
  - Samples will be destroyed after one month from the date of issue of Calibration Certificate unless otherwise specified.
  - In case any reconfirmation of contents of this Calibration Certificate is required. Please contact our office.
  - The calibration certificate/Test Report is valid only for the condition of the UUC at the time under stated condition of calibration.

For and on behalf of  
Indian Calibration Services

Checked by

Authorised Signatory

**RAJESH KAPOOR**  
Operation-Head





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CC-2146

## CALIBRATION CERTIFICATE

Page 1 of 1

### CALIBRATION CERTIFICATE OF DIGITAL TEMPERATURE INDICATOR WITH SENSOR

Certificate No:	21100001544	Issued On:	06/02/2021
ULR No:	CC214621100001544F	Calibration Date:	04/02/2021
Job Identification No:	ICS/C/T/02/1544	Next Calibration Date:	03/02/2022
Ref. No:	SRF- Dated: 04/02/2021		

**CALIBRATED FOR:** M/s Tomar Foundation Pathology Lab.  
17-A, PKT-J, Mayur Vihar,  
Phase-1, Delhi-110091.

### EQUIPMENT DESCRIPTION

Name	Digital Temperature Indicator with Sensor		
Make/Model	---	Visual Inspection	Ok
Serial No.	---	I.D. No.	DTI-02
Range	-50°C to 200°C	Least Count	0.1° C
Location	---	Calibration Site	In-Lab

### ENVIRONMENTAL CONDITIONS

Temperature	25.0 °C ± 3.0° C	Humidity	50 ± 10 % RH
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### STANDARD REFERENCE DETAILS

Traceable to National Standard (NPL, New Delhi)

Name of the Standard	Make	Certificate No.	Calibration Agency/Traceability	Date of Calibration	Valid up to
RTD Sensor with Digital Indicator	Udian	ERTL(N)/2020/AR0878	ERTL (NORTH)	25/02/2020	25/02/2021

**USED EQUIPMENT DETAILS** Methanol Bath, Water Bath & Dry Block Calibrator

**PRINCIPLE/METHODOLOGY OF CALIBRATION:** As per Calibration Procedure No.: ICS/CAL/SOP-TH02 (ITS-90) (Comparison Method)

**RESULTS: Thermal Calibration**

All readings are in "° C"

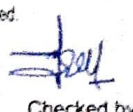
U.U.C. READING	CORRECTED VALUE OF STANDARD (AVG.)	Uncertainty at approx 95% C.L and coverage factor k=2
-20.0	-20.169	± 0.18
30.0	29.869	± 0.28
50.0	49.756	± 0.28
100.0	99.537	± 0.41
200.0	199.403	± 0.41

**REMARKS:** The recommended date for next calibration is mentioned, as asked by the customer.

\*\*\*END OF REPORT\*\*\*

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6. The calibration certificate/Test Report is valid only for the condition of the UUC at the time under stated condition of calibration.

For and on behalf of  
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Checked by

Authorised Signatory  
**RAJESH KAPOOR**  
Operation-Head