



TMSCC

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

An ISO 9001 : 2015 Certified company
Calibration of Various Instruments & Testing Machines...



CC - 3125

Form No.: TMSCC/R/23

CALIBRATION CERTIFICATE

CALIBRATION CERTIFICATE NO.:		2023/12/1418		Page 1 of 1				
ISSUE DATE:		31-Dec-2023						
ULR No.:		CC312523000021194P						
1.0 ISSUED TO:		M/s.: KHARIKAMATHANI RH-SA-ICTC Vill. & P.O.: Kharikamathani, P.S.: Nayagram, Jhargram - 721159.						
1.1 Service Request Form No.:		SRF/2023/12/29/02						
1.2 Service Request Date:		29-12-2023						
1.3 Location:		At Lab						
1.4 Description identification of item to be calibrated:								
i Name:		Digital Thermometer		ii Make:		Mextech		
iii Model / Type No.:		-		iv S/L No.:		-		
v I.D.No.:		KMRH-ICTC-DT-01		vi Job Code No.:		2023/12/1418		
vii Range:		(-50 to 50)°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:		29-Dec-2023		1.8 Date of calibration:		29-Dec-2023		
1.9 Calibration due on:		28-Dec-2024		2.0 Frequency of calibration once in:		12 Months		
2.1 Environmental condition during calibration:		Temperature: 25.5 °C		Humidity: 52 % RH				
2.2 Basis of calibration:		SOP/10/02						
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)		(Indicator Sl. No.- 18K588073) (Id No.- TMSCC/RTD/01)		TSC/23-24/13010-4		CC-2231	09-11-2023	08-11-2024
CALIBRATION RESULTS								
Sl. No.	Ref. Bath set in °C	Reading at DUC in °C	Observed Reading at Ref. Std. in °C (Avg. of five readings)	Error in °C	Uncertainty in ± °C	Acceptance Criteria		
1	-35.0	-35.0	-35.064	-0.064	0.18	Pass		
2	-15.0	-15.0	-15.027	-0.027	0.18	Pass		
3	2.0	2.0	2.004	0.004	0.18	Pass		
4	25.0	25.0	25.045	0.045	0.18	Pass		
5	50.0	50.0	50.091	0.091	0.27	Pass		
Maximum Permissible Error:		± 0.3% of rdg						
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:

R. Ghosh
(Calibration Engineer)

Checked By:

C. Ghosh
(Technical Director)

Approved By:

P. K. Modak
(Sr. Calibration Engineer)



END OF CERTIFICATE