



ELECTRO METER CORPORATION
P- 5, C.I.T ROAD,
KOLKATA - 700014

Form No.: FM/22
 Issue No: 10 and Issue Date: 31.12.2022

CALIBRATION CERTIFICATE OF:
DIGITAL THERMOMETER WITH SENSOR

CALIBRATION CERTIFICATE NO: EMC2024-KOL-00036410 ULR- CC21472400030946F Page: 1/1

1.0 ISSUED TO: **MKAS HEALTH CARE PVT. LTD.**
SANJAY HEIGHTS (2ND FLOOR)
GADGADIA SQ. NEAR EM. COLLEGE
PIN - 756003
ODISHA, INDIA

1.1 Service Request No / Order No.: 45512-L-8

1.2 Description identification of item to be calibrated:					
i	Name:	DIGITAL THERMOMETER WITH SENSOR	ii	Code No.:	MKAS/DTM/01
iii	Sl. No.:	170703568	iv	Make:	Lt
v	Model / Type No.:	ST-9269	vi	Range:	(-)50°C to 300°C (Cal from 50°C to 250°C)
vii	Sensor:	-	viii	Resolution:	0.1°C
ix	Location:	Lab	x	Cal. Performed :	Lab

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

1.4 Date of receipt of item: 07-Aug-2024 1.5 Date of calibration: 07-Aug-2024

1.6 Recommended date for next calibration: 7-Aug-2025 1.7 Report issue date: 09-Aug-2024

1.8 Environmental condition during calibration (a) Temperature: 24.3 °C
 Humidity: 55.5 % RH

1.8 Recommended environmental condition (b) Temperature: 25 ± 4 °C
 Humidity: 50 ± 20 % RH

1.9 Basis of calibration: S.O.P Number S.O.P/THER/10

2.0 Standard Equipment Used for Calibration are Traceable to National/International Standards through ISO/IEC: 17025:2017 Accredited Laboratory.

Sl. No.	Name of the standard instrument used (Sl. No./Code Nos.)	Range	Resolution	Recommended date for next calibration	Certificate Nos.
1	Data Acquisition Switch, Make: Agilent, Model No: 34970A, Sl. No.: MY44022114, Code No: EMC/DAS/291	As Per Calibration Result	As Per Calibration Result	11-08-2024	EMC2023-KOL-00005534
2	Semi Standard Platinum Resistance Thermometer, Make: Isotech, Model: 935-14-95H, Sl. No: 39649/1, Code No: EMC/SSPRT/871	(-)80°C to 660°C	-	20-03-2025	TL/024/319.1.1

Disciplines: Thermal Group: Temperature

CALIBRATION RESULT					
Parameter / Range	Nominal Value on DUC (°C)	Corrected Value (°C)	Error (°C)	Expanded Uncertainty (±) (°C)	k factor
Temperature (°C)					
50	50.3	50.193	0.107	0.693	2.00
100	100.5	100.476	0.024	0.239	2.00
150	150.6	150.565	0.035	0.271	2.00
200	200.9	200.656	0.244	0.311	2.00
250	249.8	249.745	0.055	0.630	2.00

Note: i) Corrected Value = Std Value + Correction,

ii) The calibration certificate is issued by Electro Meter Corporation refers only for the particular item submitted to calibrate.

iii) Entire certificate should be produced for all purposes. Partial production of an extract of the certificate needs approval from the technical or the quality manager of the lab.

iv) The results in the calibration certificate are valid at the time and the stated conditions on measurement.

v) The calibration result is only to be used for scientific & industrial purpose and not for commercial purpose.

Measurement uncertainty at approx 95 % of confidence level & at a coverage factor : As Per Calibration Result

Remarks: NA

DUC: Device Under Calibration F.S.: Full Scale Physical status of the DUC: OK

Calibrated by: Soumyo Kanti Kundu
 Calibration Engineer

Approved by: Saptarshi Das
 Technical Manager

END OF CERTIFICATE