



CC - 2147



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:
INCUBATOR

CALIBRATION CERTIFICATE NO.:		EMC2024-KOL-00036408		ULR NO: CC214724000030944F		Page: 1/2	
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 / Order No.:		45512-S-1					
Description identification of item to be calibrated:							
i Name:		INCUBATOR		ii Code No.:		MKAS/INC/01	
iii Sl. No.:		--		iv Make:		PPI	
v Model / Type No.:		OMNI X48+		vi Range:		As Per Calibration Result	
vii Sensor:		--		viii Resolution:		1 °C	
ix Location:		LAB		x Cal performed:		Site	
1.3 Applicable specification of item to be calibrated: Accuracy / permissible limit:				Not Specified			
1.4 Date of receipt of item:		7-Aug-2024		1.5 Date of calibration:		7-Aug-2024	
1.6 Recommended date for next calibration		7-Aug-2025		1.7 Report Issue Date:		9-Aug-2024	
1.8(a) Environmental condition during calibration		Temperature:		22.7°C			
		Humidity:		55.5% RH			
1.8(b) Recommended Environmental condition		Temperature:		25 ± 10 °C			
		Humidity:		50 ± 20 % RH			
1.9 Basis of calibration:		S.O.P Number		SOP/THER/08			
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 Unit, Make: Keysight, Model: 34970A, Sl. No.: MY41029352, Code No. EMC/DASU/479	As Per Calibration Result	As Per Calibration Result	31-08-2024	EMC2023-KOL-00005533		
2	PT-100 Sensor, Code: EMC/PT-100/916	(-)80°C to 250°C	-	19-01-2025	EMC2024-KOL-00000053		
3	PT-100 Sensor, Code: EMC/PT-100/917	(-)80°C to 250°C	-	19-01-2025	EMC2024-KOL-00000054		
4	PT-100 Sensor, Code: EMC/PT-100/918	(-)80°C to 250°C	-	19-01-2025	EMC2024-KOL-00000055		
5	PT-100 Sensor, Code: EMC/PT-100/919	(-)80°C to 250°C	-	19-01-2025	EMC2024-KOL-00000056		
6	PT-100 Sensor, Code: EMC/PT-100/920	(-)80°C to 250°C	-	19-01-2025	EMC2024-KOL-00000057		
7	PT-100 Sensor, Code: EMC/PT-100/921	(-)80°C to 250°C	-	19-01-2025	EMC2024-KOL-00000058		
8	PT-100 Sensor, Code: EMC/PT-100/922	(-)80°C to 250°C	-	19-01-2025	EMC2024-KOL-00000059		
9	PT-100 Sensor, Code: EMC/PT-100/923	(-)80°C to 250°C	-	19-01-2025	EMC2024-KOL-00000060		
10	PT-100 Sensor, Code: EMC/PT-100/924	(-)80°C to 250°C	-	19-01-2025	EMC2024-KOL-00000061		



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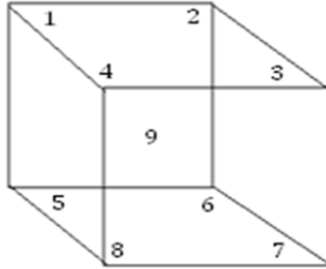
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Position of Sensor

Disciplines: Thermal

Group: Temperature

CALIBRATION RESULT

Temp. Set at (°C)	Nominal Value on DUC			Corrected Value			Error (°C)	Zone	Expanded Uncertainty (±) (°C)	k factor
	Max (°C)	Min (°C)	Avg (°C)	Max (°C)	Min (°C)	Avg (°C)				
37	37	36	36.5	37.07	36.97	37.011	-0.511	1	4.6	2.00
				37.06	36.91	36.995	-0.495	2		
				37.05	36.94	37.001	-0.501	3		
				37.10	36.95	37.016	-0.516	4		
				37.07	36.92	36.998	-0.498	5		
				37.01	36.91	36.963	-0.463	6		
				37.07	36.95	37.009	-0.509	7		
				37.09	36.93	37.014	-0.514	8		
				37.07	36.95	37.017	-0.517	9		

Note: i) Corrected Value = Std Value + Correction, ii) Error = Avg DUC Reading - Avg Corrected Reading.
 iii) Average reading obtained from scan time of 5 min, iv) Average of 5 readings had been taken in DUC/Corrected Value.
 v) The calibration certificate is issued by Electro Meter Corporation refers only for the particular item submitted to calibrate.
 vi) 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.
 vii) The results in the calibration certificate are valid at the time and the stated conditions on measurement.
 viii) The calibration result is only to be used for scientific & industrial purpose and not for commercial purpose.

Stability : 0.16 °C Non Uniformity : 0.05 °C
 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