

				<b>ELECTRO METER CORPORATION</b> <b>P- 5, C.I.T ROAD,</b> <b>KOLKATA - 700014</b>		Form No.: FM/22 Issue No: 10 and Issue Date: 31.12.2022 <b>CALIBRATION CERTIFICATE OF:</b>  <b>DIGITAL STOP WATCH</b>		
CALIBRATION CERTIFICATE NO.: EMC2024-KOL-00036421				ULR NO.: CC214724000030957F		Page: 1/1		
1.0 ISSUED TO:		<b>MKAS HEALTH CARE PVT. LTD.</b> <b>SANJAY HEIGHTS (2ND FLOOR)</b> <b>GADGADIA SQ. NEAR EM. COLLEGE</b> <b>PIN - 756003</b> <b>ODISHA, INDIA</b>						
1.1 Service Request / Order No.:		45512-S-1						
Description identification of item to be calibrated:								
i Name:		DIGITAL STOP WATCH		ii Code No.:		MKAS/DSW/01		
iii SL No.:		--		iv Make:		TAKSUN		
v Model / Type No.:		TS-613A-2		vi Range:		Cal upto 60 min		
vii Sensor:		--		viii Resolution:		0.01 Sec		
ix Location:		Lab		x Cal. performed:		On 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:		23.5°C				
		Humidity:		55.4% RH				
1.8(b) Recommended Environmental condition		Temperature:		25°C ± 10°C				
		Humidity:		50% RH ± 20% RH				
1.9 Basis of calibration:		S.O.P Number		S.O.P/ELEC/04				
2.0 Standard Equipment Used for Calibration are Traceable to National/International Standards through ISO/IEC: 17025 Accredited Laboratory.								
Sl. No.	Name of the standard instrument used (Sl. No./Code Nos.)		Range	Resolution	Recommended date for next calibration	Certificate Nos.		
1	Programmable Electronic Timer, Make: DCES, Model: D1014, Sl. No. 005, Code No. EMC/DT/238		19 ms to 24 hr	0.0000001 s	29-09-2024	CC/ECL/0750/22-23		
<b>Disciplines: Electro - Technical</b>				<b>Group: Time &amp; Frequency</b>				
<b>CALIBRATION RESULT</b>								
Parameter/Range	Nominal Value on DUC				Std Value (s)	Error (s)	Expanded Uncertainty (±) (s)	k factor
	(min)	(s)	(s/100)	Equivalent Value (s)				
Time Cal upto 60 min	5	300	15	300.15	300.1386	0.0114	0.018	2.00
	10	600	18	600.18	600.1125	0.0675	0.162	2.00
	15	900	23	900.23	900.1595	0.0705	0.304	2.00
	20	1200	6	1200.6	1200.4236	0.1764	0.464	2.00
	30	1800	8	1800.8	1800.5215	0.2785	0.464	2.00
	40	2400	8	2400.8	2400.5223	0.2777	0.464	2.00
	60	3600	9	3600.9	3600.2215	0.6785	0.464	2.00
Note: i) Average of 5 readings had been taken in DUC/STD.								
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.								
<b>Measurement uncertainty at approx 95 % of confidence level &amp; at a coverage factor : As Per Calibration Result</b>								
Remarks:		NA						
DUC- Device Under Calibration			F.S.-Full Scale		Physical status of the DUC: OK			
Calibrated By:				Approved By:				
Soumyo Kanti Kundu Calibration Engineer				Saptarshi Das Technical Manager				
<b>END OF CERTIFICATE</b>								