

CALIBRATION CERTIFICATE

SUBJECT: CALIBRATION OF TIMER	CERTIFICATE NO.: ML/ELE/0908/01/2022-23		
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">Certificate Issue Date 22/03/2023</td> <td style="width: 40%; padding: 2px;">Page 1 of 1</td> </tr> </table>	Certificate Issue Date 22/03/2023	Page 1 of 1
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| <p>1. Scope</p> <p>1.1 Service Request Details</p> <p>1.1.1 Service Request No.</p> <p>1.1.2 Service Request Finalized On</p> <p>1.1.3 Unique Lab Report Number (ULR No.)</p> <p>1.1.4 Discipline / Group</p> <p>1.1.5 Name & Address of Organization</p> | <p>Calibration</p> <p>ML/0908/22-23</p> <p>18/03/2023</p> <p>CC266423000007144F</p> <p>Electro-Technical / Time & Frequency</p> <p>HEER LAB</p> <p>116-120, National Plaza, Opp. Ayurvedic College, Above Kabir Resturant, Station Road, Surat, Gujarat, India, 395003.</p> |
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1.2 **Item Details**

1.2.1 **Condition of the Item**

Working

1.2.2

Nomenclature	Timer	Model No.	OPTILAB DT-1
Manufacturer	BIG TIME	Model No.	OPTILAB DT-1
ID No.	T-01	Sr.No.	---
Range	0 to 99.59 min.	Type	Digital
Least Count	0.01 sec	Accuracy	NA
Department	---	Location	---

1.3 **Item Received On**

Dt. 17/03/2023

1.4 **Details of Test Equipments Used**

Instrument Name	UID No.	Certificate No.	Make	Due Date
Time Calibrator	ML/MTC/002	ML/ELE/0444/05/2022-23	USIC	26/07/2023

1.4.1 **Operating Procedures Used:**

ML/SOP/ELE/012

1.4.2 **Reference Standard:**

NIST 960-12(2009)

1.5 **Date of Calibration:**

20-March-2023

1.6 **Recommended Due Date of Calibration:**

19-March-2024

1.7 **OBSERVATIONS:**

1.7.1 **Laboratory Ambient:** Temperature: 25.4 °C (25±4) Humidity: 57.4 %RH (52.5±22.5)

1.7.2 **Parameter:** Time (min.)

1.7.3


CALIBRATION RESULTS

Sr. No.	Calibration Point	Set Value on Master (A)	Measured Value on IUC (B)	Error (B - A)	(±) Expanded Uncertainty
1	1	1.00	1.01	0.01	0.111 Sec
2	30	30.00	30.01	0.01	0.111 Sec
3	60	60.00	60.02	0.02	0.111 Sec

Note: The value mentioned above is the mean of 3 readings.

1.8 **General Remarks:**

- The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor k=2, which corresponds to a coverage probability of approximately 95.45% for a normal distribution.
- Uncertainty to be calculated at Max Error / Full Range of IUC
- Any anomalies/Discrepancies in the certificate should be brought to our notice within 30 days from the date of issue Certificate.
- IUC* (Instrument Under Calibration)
- The Measurements are metrologically traceable to applicable national /International Standards.
- Any hand written corrections (except @) or photocopies of the report invalidates this certificate.
- The results related to the item calibrated.

<p>Calibrated By: Bhoomi Patel, Calibration Engineer</p> 	<p>AUTHORISED SIGNATORY</p>
<p>Ranjit Rohit / Hitesh Patel Technical Director / Quality Manager</p>	

*** End of Certificate ***

Doc. No. Form-21, Amend. 05 Dt.. 01-01-2022