



CC-1559

# CALIBRATION CERTIFICATE

Godrej Calibration SERVICES

Godrej & Boyce Mfg. Co. Ltd.  
Calibration Services, No.1, SII/CO  
Industrial Estate,  
Ambattur, Chennai  
Tamilnadu, 600098, India  
Dir. 91-44-66544651/52/53

|  |                       |                 |                       |
|--|-----------------------|-----------------|-----------------------|
| Format No.   | FR-QT-21              | Page No.        | 1 of 1                |
| Certificate No.  | C-230613-S-1          | Issue Date      | 23/06/2023            |
| Date Of Calibration  | 13/06/2023-22/06/2023 | Recom. Due Date | 22/06/2024            |
| Customer Details:  | Calibrated at         |                 |                       |
| S.M. ENTERPRISES   | Lub (SER/23-24/217)   |                 |                       |
| PLOT NO:12, SANJEEVAIAH NAGAR, CO-OPERATIVE SOCIETY,<br>BESIDE TAIBHIND TEMPLE, SECUNDERABAD, TELANGANA<br>HYDRABAD, Telangana, India 500009 | Challan Date          |                 |                       |
|  | 09/06/2023            |                 |                       |
|  | Date Of Receipt       |                 |                       |
|  | 13/06/2023            |                 |                       |
| Cond. On Receipt   |                       |                 | Satisfactory          |
| Receipt No.  |                       |                 | C-230613-S            |
| Details of Unit Under Calibration.   |                       |                 |                       |
| Name   | Time Interval meter   | Range           | 0.001 to 999.99.999 h |
| Make   | ZFAL                  | Resolution      | 0.001 s               |
| Sr No.   | 2019N231              | Id No.          | SME/TIM/23            |
| Model No.  | ZMTIMas               | Operating Range | 1 to 86400 sec        |

| Details Of Master Equipments |            |         |          |            |               |
|------------------------------|------------|---------|----------|------------|---------------|
| Name                         | Make       | Sr. No. | IDNO     | Valid Upto | Traceability  |
| Digital Time Interval Meter  | Adi-Baroda | 7082    | QSC/E/52 | 14/12/2023 | IDEMJ, Mumbai |

Work Instruction No.: WI-ET-13 Reference Standard No.: IS1766/IS10996/MSL Technical Guide 8/NIST 960-12

Environmental Details:  
Temperature: 23.5 °C Relative Humidity: 49 %RH

### Calibration Results (Discipline :- ELECTRO TECHNICAL CALIBRATION; GROUP - TIME & FREQUENCY)

| Sr. No. | Test Reading | Equivalent Standard Reading | Error       | Expanded Uncertainty |
|---------|--------------|-----------------------------|-------------|----------------------|
|         | hh:mm:ss.ms  | hh:mm:ss.ms                 | hh:mm:ss.ms | s                    |
| 1       | 0:0:1.17     | 0:0:1.0                     | 0:0:0.17    | ±0.009               |
| 2       | 0:0:10.48    | 0:0:10.0                    | 0:0:0.48    | ±0.017               |
| 3       | 0:5:0.121    | 0:5:0.0                     | 0:0:0.121   | ±0.03                |
| 4       | 0:10:0.185   | 0:10:0.0                    | 0:0:0.185   | ±0.03                |
| 5       | 0:30:0.226   | 0:30:0.0                    | 0:0:0.226   | ±0.03                |
| 6       | 1:0:0.268    | 1:0:0.0                     | 0:0:0.268   | ±0.35                |
| 7       | 2:0:0.282    | 2:0:0.0                     | 0:0:0.282   | ±0.35                |
| 8       | 6:0:0.427    | 6:0:0.0                     | 0:0:0.427   | ±1.8                 |
| 9       | 12:0:1.462   | 12:0:0.0                    | 0:0:1.462   | ±1.8                 |
| 10      | 24:0:3.947   | 24:0:0.0                    | 0:0:3.947   | ±1.8                 |

Remark  
- Standard Reading given is the average of 3 Measurements

- Notes
- Equipment used for calibration were calibrated & traceable to National & International Standards.
  - This certificate refers only to particular item(s) submitted for calibration.
  - Godrej Calibration Services is not liable for any change in calibration data & performance specification on account of malfunctioning of Standards/Instruments/Equipment covered by this certificate due to damage caused to it after issuance of this certificate.
  - The calibration results reported are valid at the time of and under the stated conditions of the measurements.
  - The Certificate should not be reproduced except in full without the prior permission from Godrej Calibration Service.
  - Satisfactory calibration report in no ways implies that the equipment calibrated is approved by NABL.
  - All precautions have been taken for any error or omission while calibrating the instruments and issuing this certificate. However Godrej Calibration Services shall not be liable for any loss or liability that may be arise to any party in this regards.

\*The reported expanded uncertainty of measurement is calculated at approximately 95-95% confidence level with coverage factor  $k = 2$

Authorized Signatory: C Praveen  
Designation: Deputy Manager  
Calibrated By: K Lokesh Kumar Calibration Engg  
U.I.R No. (CC25392/00001975/F)



Signature valid  
Digitally signed by GS MISHRA, GODREJ AND BOYCE MFG CO. LTD.  
Date: 2023.06.27 13:05:18 +05:30  
Reason: Calibration Certificate  
Location: Chennai

--- End of Certificate ---

Godrej & Boyce Mfg. Co. Ltd

Regd. Office: Propabaganur, L.B.S. Marg, Vikhroli, Mumbai 400 079, T. 91-22-6796 1700/1300 W.: www.godrej.com

Signature is not required as it is generated through software



# S.M. ENTERPRISES

# 27<sup>th</sup>

ISO 9001 : 2015  
RQ91/3144

(Calibration and Testing of Electrical, Electronic & Precision Instruments)

Years of Service

Office/Cal. Lab : Plot No. 12, "Ganesh Nilas", Sanjeevaiah Nagar, Co-operative Society, Besides Tadubund Hanuman Temple, Sikh Village, Secunderabad - 500 009, T.S, INDIA ☎: (040) 27840697, 48541008  
Cell: 9948020798, 9948291008, 9948292008, 9948293008, 9948294008 Email: msudheer\_98@yahoo.com, msudheer\_98@smentp.org, SME\_003@YAHOO.IN, url : www.smentp.org

## CALIBRATION CERTIFICATE

| CALIBRATION ON<br>09/10/2023                                | CALIBRATION DUE<br>08/10/2024                 |
|---|---|
| 1. Calibration Report Ref. No. & Date :                     | SME/SUJ/DSW/CAL-027/2023;Dt:09/10/2023        |
| 2. Requested by :<br>(Name and address of the organization) | M/s. ICTC Nakkapalli<br>Nakkapalli            |
| 3. Instrument Name  | Digital Timer                                 |
| 4. Instrument Make  | Aceteq / JS -118                              |
| 5. Instrument ID. No:                                       | TIM/ICTC/027                                  |
| 6. Range :  | 0 to 99 min                                   |
| 7. Accuracy :   | +/- 1 % FSD                                   |
| 8. Environmental Condition                                  | Temp/RH : 28 +/- 2 Deg C; R.H: 65 +/- 5%      |
| 9. Test parameter & condition :                             | Time V/S Time (Comparision Method)            |
| 10. Standard Instruments used for Calibration:              | Time Interval Meter                           |
| 11. Traceability Certificate Ref. No.                       | C-230613-5-1, Dt:22/06/2023, DueDt:22/06/2024 |

### TEST RESULTS

| Sl No | Standard Reading Of Time<br>in Master Digital Stop Watch | Observed Reading Of<br>Time in Digital Stop Watch | Error<br>Value (+/-) |
|-------|--|---|----------------------|
|       | Hr:min:sec:ms  | min:sec   | Hr:min:sec:ms        |
| 1     | 00:01:00:23  | 01:00   | 00:00:00:23          |
| 2     | 00:10:00:33  | 10:00   | 00:00:00:33          |
| 3     | 00:30:00:32  | 30:00   | 00:00:00:32          |
| 4     | 01:50:00:22  | 90:00   | 00:00:00:22          |

PLEASE NOTE: THE INSTRUMENTS ERROR FOUND TO BE WITHIN THE SPECIFIED ACCURACY LIMIT AND THIS CERTIFICATE VALID FOR PERIOD OF ONE YEAR FROM THE DATE OF ISSUE.

CALIBRATED BY

S. M. Enterprises

ENGINEER INCHARGE

VERIFIED BY

M/s. ICTC Nakkapalli

