



CALIBRATION CERTIFICATE

TRUE COPY



CC-2287

Work Order No. : WO/ECL/743/23-24
Work Order Date : 22/02/2024
Date of Receipt : 22/02/2024
ULR No. : CC228724100000399F
Discipline : Electro - Technical Calibration (Group : Time & Frequency)

Certificate No. : CC/ECL/1586/23-24
Date of Calibration : 01/03 to 12/03/2024
Page No. : 1 of 2
Date of Issue : 22/03/2024

Calibrated for : M/s. National Centre For Quality Calibration, 4, Abhishree Corporate Park, Near Swagat Bungalow BRTS, Iskcon - Ambli Road, Ambli, Ahmedabd - 380 058, Gujarat.

Calibrated at : IDEMI, Mumbai.

Description and Identification of Device Under Calibration	Standard Used for Calibration
Name : Timer / Stopwatch Calibrator Manufacturer : M/s. Digital Instrumentation Condition on receipt : No visible damage Points of Calibration : 0.01 s, 1 s, 60 s, 900 s, 1800 s, 3600 s, 86400 s Sr. No. : DITC080519 ID No. : NCQC/E-29	1) Digital Frequency Counter ID No. : IDEMI/ECL/FC/02 Calibration Certificate No. : CC/ECL/0856/23-24 Calibration Validity up to 05/10/2024 2) Time Interval Meter ID No. : IDEMI/ECL/TIME/06 Calibration Certificate No. : CC/ECL/0561/23-24 Calibration Validity up to 30/08/2024 All measurement results are traceable to the International system of units (SI), ensured by comparison, directly or indirectly with National or International standards through unbroken chain of calibration

Ambient Conditions :

Temperature : 24.1 °C to 24.8 °C

Relative Humidity : 53 % to 54 %

Remarks : Please refer page 2 of 2 for Calibration Results.

- 1) Procedure of Calibration : Above mentioned item is calibrated as per operating procedure : OP-ECL-15
- 2) The reported expanded uncertainty in measurement is stated as the combined standard uncertainty in measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95 %.
- 3) Calibration Status : Sticker No. 1586 indicating 'CAL STATUS' is affixed on instrument.
- 4) Our NABL Accreditation Certificate No. is CC - 2287, Valid up to 30/08/2025.
- 5) Next Calibration Due on : 11/03/2025

NISHANT
NARESH
PAWASKAR
Date: 2024.03.22
16:11:12 +05'30'

AUTHORISED SIGNATORY

Note:

1. This certificate refers only to the particular item(s), submitted for calibration. The certificate should not be reproduced except in full without the prior permission from the Principal Director, IDEMI, Mumbai - 400 022.
2. This is computer generated certificate and may not contain signature. Where send by email, this is signed with digital signature of authorized signatory, approved by NABL. For any queries, please quote work order number mentioned in this certificate



वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई
INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, MUMBAI

भारत सरकार की सोसायटी
सूक्ष्म लघु एवं मध्यम उद्यम मंत्रालय
Government of India Society

Ministry of Micro Small & medium Enterprises

स्वातंत्र्यवीर तार्या टोपे मार्ग चुनाभट्टी सायन झोकघर मुंबई

Swatantryaveer Tarya Tope Marg, Chunabhatti, Sion, P.O.-Mumbai - 400 022

NCQC System Certificate No. 374

NCQC FF-LAB-003 Rev. 01
Valid up to 11/03/2025
Reviewed: [Signature]



वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई ४०००२२

INSTITUTE FOR DESIGN OF ELECTRICAL
MEASURING INSTRUMENTS, MUMBAI - 400 022



Instrument Sr. No. : DITC080519
Date of Calibration : 01/03 to 12/03/2024
ULR No. : CC228724100000399F

Page No. : 2 of 2
Certificate No. : CC/ECL/1586/23-24

Calibration Results :

Calibration Standard		Device Under Calibration		Deviation in	Expanded Uncertainty (±)
Range	Reading in	Range	Reading in		
Auto Range	s 0.010	99999.999 s	s 0.010	s 0.000	0.6 ms
	0.990		1.000	0.010	2 ms
	59.984		60.000	0.016	2 ms
	899.905		900.000	0.095	2 ms
99999.999 s	1799.821	1800.000	1800.000	0.179	30 ms
	3599.650		3600.000	0.350	50 ms
	86391.931		86400.000	8.069	21 s

Note : Value mentioned above is a mean of 5 readings.

NISHANT
NARESH
PAWASKAR
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Digitally signed
by NISHANT
NARESH
PAWASKAR
Date: 2024.03.22
16:11:31 +05'30'

Authorised Signatory



CC-2287

FF-INS-09

END OF CALIBRATION CERTIFICATE