



# NATIONAL CENTRE FOR QUALITY CALIBRATION

4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon-Ambli Road, Ambli, Ahmedabad-380 058  
Ph. +91-79-29795322, 29795323 • Fax : +91-79-29795323, Cell No. +91-9327017517, +91-9328616370  
E-mail : [ncqc@calibrationlaboratory.in](mailto:ncqc@calibrationlaboratory.in), • [calibrationlab.ncqc@gmail.com](mailto:calibrationlab.ncqc@gmail.com)



CC-2128

Since 1998

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**Precision Calibration with National / International Traceability for Temperature, Dimensional, Pressure, Vacuum, Time, Mass, Electrical, Noise, Airflow, Lux & all Special Purpose Instruments in all ranges.**

## Calibration Certificate

F/CR/E/024/02 Issue No.02

<b>Name of Customer</b> National Centre for Quality Calibration 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat	Certificate No.	NCQC-E/220523/001
	Date of Issue	01/06/2023
	Date of Calibration	22/05/2023 to 27/05/2023
	Suggested Due Date	26/05/2024
	Date of Receipt / Ref.No.:	22/05/2023

ULR No. : CC212823000003794F	Discipline : Electro-Technical Calibration Time & Frequency
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<b>Details of Observation of Unit Under Calibration</b>	Identification No. : NCQC/E-09
	Serial No. : ===
	Name of Instrument : Digital Stop watch

Range	0 to 24 hours	Initial Error	Nil
Resolution	0.001 sec	Visual Inspection	Satisfactory
Make / Model	Robic/SC-501W		
Location	Laboratory		

Loc. of Calibration	At Laboratory	Std. Ref. Used	NIST 960-12
Environment Cond.	25 ± 4 °C, 30 to 75 % Rh	Cali.Method No.	NCQC/CM/E/024
Actual Env. Cond.	26.0 °C 50.3 %Rh		

### Master Instruments Detail

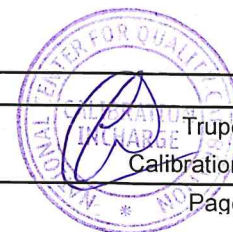
NCQC SYS.NO.	Nomenclature	Make/ Model	Id / Serial No.	Traceable To	Certificate No.	Valid Upto
374	Timer / Stop watch Calibrator	Digital Instrumentation / ====	NCQC/E-29 / DITC080519	CC-2287	CC/ECL/1728/22-23	21/02/2024

### Calibration Results

Reading observed by UUC in Hr:min:Sec:1/1000s	Corresponding second	Reading observed by Reference in seconds	Absolute Error in second	Expanded Uncertainty in Second (k =2) ±
00:00`01``086	1.086	1.052	0.034	0.03
00:00`20``272	20.272	20.127	0.145	0.12
00:01`00``349	60.349	60.078	0.271	0.04
00:15`00``309	900.309	900.193	0.116	0.11
00:30`00``552	1800.552	1800.297	0.255	0.22
01:00`00``862	3600.862	3600.448	0.414	0.43
05:00`01``255	18001.255	18000.189	1.066	10.58
23:59`51``587	86391.587	86390.343	1.244	23.25

Traceable To National / International Standards.

Calibrated By 	Damini Rathod Calibration Engineer	Reviewed & Approved By 	Trupen Parmar Calibration Incharge
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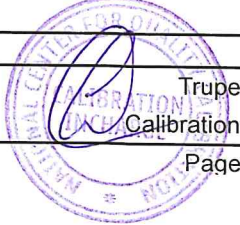
F/CR/E/024/02 Issue No.02

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ULR No. : CC212823000003794F		Discipline : Electro-Technical Calibration Time & Frequency	
<b>Details of Observation of Unit Under Calibration</b>	Identification No. : NCQC/E-09		
	Serial No. : ==		
Name of Instrument : Digital Stop watch			

### Remarks:

- Averages of minimum three readings are reported.
- Suggested due date is given based on customer requirements
- These results are obtained at the time of calibration.
- Condition of instrument found satisfactory during receipt
- Result relates to the item calibrated only.
- No external provider was used for calibration and hence it is not applicable.
- Calibration certificate shall not be reproduced except in full without written approval of Director, NCQC.
- Any hand written corrections (except @) or photocopies of the report invalidates this certificate.
- The uncertainties are for a confidence probability of not less than 95% with coverage factor  $k = 2$
- Our masters are directly calibrated through NABL accredited calibration laboratory having direct traceability with National / international standard.

Traceable To National / International Standards.

Calibrated By  Damini Rathod Calibration Engineer	Reviewed & Approved By  Trupen Parmar Calibration Incharge
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**NCQC DEFINES CALIBRATION AS "PRECISION AND RELIABILITY OF INSTRUMENTS FOR YOUR BETTER TOMORROW"**