



Since 1998

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 • calibrationlab.ncqc@gmail.com



CC-2128

Visit our Web Site : www.calibrationlaboratory.in

TRUE COPY

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/M/037 Issue No.02

Name of Customer National Centre for Quality Calibration 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat	Certificate No. NCQC-M/020923/002	Date of Issue 02/09/2023 Date of Calibration 02/09/2023 Suggested Due Date 01/09/2024 Date of Receipt / Ref.No.: 02/09/2023
	Date of Issue 02/09/2023	
	Date of Calibration 02/09/2023	
	Suggested Due Date 01/09/2024	

ULR No. : CC212823000007437F	Discipline : Mechanical Calibration Dimensional (Precision- Precision Instruments and Surface Topology)
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Details of Observation of Unit Under Calibration	Identification No. : NCQC/M-23
	Serial No. : 027
	Name of Instrument : Tape and Scale Measuring Machine

Range	0 to 1000 mm	Visual Inspection Accuracy Ok ± 10 micron
Resolution	0.001 mm	
Make / Model	Octagon/MSTC-1000	Actual Env. Cond. 20.8 °C 51.4 %Rh
Location	Mechanical Lab-2	

Loc. of Calibration	At Laboratory	Std. Ref. Used	
Environment Cond.	20 \pm 2 °C, 40 to 60 % Rh	Cali.Method No.	NCQC/CM/M/037

Master Instruments Detail

NCQC SYS.NO.	Nomenclature	Make/ Model	Id / Serial No.	Traceable To	Certificate No.	Valid Upto
98	Tungsten Carbide Slip Gauge set	Mikronix / M88/1	NCQC/M-108/3909	CC-2102	SG 3111	22/09/2023
09	Steel length bar	KCP / M - 3	NCQC/M-105 / 1609	CC-2323	KCP/02/21-22/8852	25/12/2023
151	Steel length bar	KCP/M-1	NCQC/M-05 / 1361	CC-2323	KCP/02/21-22/7209	22/10/2023
135	Steel length bar	KCP / M-2	NCQC/M-04 / 10138	CC-2323	KCP/02/22-23/2711	22/06/2024

Calibration Results

Standard size of Slip Gauges & Length bars in mm	Actual reading of Slip Gauges & Length bars in mm	Reading observed by UUC in mm	Error in mm	Expanded Uncertainty in μm (k=2) \pm
0	0.00000	0.000	0.00000	15.300
100	100.00021	100.000	0.00021	15.300
200	200.00010	200.001	0.00090	15.300
300	300.00020	300.002	0.00180	15.300
400	399.99975	400.003	0.00325	15.300
500	499.99820	500.003	0.00480	15.300
600	599.99985	600.005	0.00515	15.300
700	699.99830	700.005	0.00670	15.300
800	799.99840	800.006	0.00760	15.300
900	899.99795	900.007	0.00905	15.300
1000	999.99850	1000.008	0.00950	15.300

NCQC
Valid up to 01-09-2024
Reviewed
Calibrated By *[Signature]*

Traceable To National / International Standards.

[Signature]
Harsh Patel
Calibration Engineer

Reviewed & Approved By

[Signature]
Arif Shaikh
Calibration Incharge
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NCQC System Certificate No. 155



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	Suggested Due Date	01/09/2024
Date of Receipt / Ref.No.:		02/09/2023

ULR No. : CC21282300007437F	Discipline : Mechanical Calibration Dimensional (Precision- Precision Instruments and Surface Topology)
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Details of Observation of Unit Under Calibration	Identification No. : NCQC/M-23
	Serial No. : 027
	Name of Instrument : Tape and Scale Measuring Machine

Remarks :

- Averages of minimum five readings are reported.
- Suggested due date is given based on customer requirements.
- These results are obtained at the time of calibration.
- 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.
- Uncertainty of measurement at 95% confidence level iat coverage factor k = 2.
- Condition of instrument found satisfactory during receipt.
- Our masters are directly calibrated through NABL accredited calibration lab having direct traceability with national / international standard.

Traceable To National / International Standards.

Calibrated By	Harsh Patel Calibration Engineer	Reviewed & Approved By	Arif Shaikh Calibration Incharge
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