



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
Visit our Web Site : www.calibrationlaboratory.in

TRUE COPY



CC-2128

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/001/02 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/191223/003
	Date of Issue	20/12/2023
	Date of Calibration	19/12/2023
	Suggested Due Date	18/12/2024
Date of Receipt / Ref.No.: 19/12/2023		

ULR No. : CC212823000009360F	Discipline : Mechanical Calibration (Basic-Measuring Instrument, Gauge etc.)
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Details of Observation of Unit Under Calibration	Identification No. : NCQC/M-133
	Serial No. : 67198041
	Name of Instrument : Digital Micrometer

Range	0 to 150 mm	Initial Error	Nil
Resolution	0.001 mm	Visual Inspection	Satisfactory
Make / Model	Mitutoyo/===	Accuracy	±0.002 mm
Location	Lab	Type / Size	Digital

Loc. of Calibration	At Laboratory	Std. Ref. Used	IS 2967
Environment Cond.	20 ± 2 °C, 40% to 60 % Rh	Cali.Method No.	NCQC/CM/M/001 & 003
Actual Env. Cond.	20.2 °C 50.9 %Rh		

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 3980	17/09/2025
351	Optical Flat	Mitutoyo / 158-118	NCQC/M-171/003728	CC-2717	QSI/1522/23/09	08/09/2025
350	Optical Parallel	Mitutoyo / 157-903	NCQC/M-172 / =====	CC-2717	QSI/1523/23/09	08/09/2025
292	Electronic Probe With D.R.O	Sylvac/ ===	NCQC/M-129/11273017	CC-2128	NCQC-M/300923/001	29/09/2024
08	Granite Surface Plate	Micro-Flat / ===	NCQC/M-09	CC-2128	NCQC-M/290823/002	28/08/2024

Calibration of Results

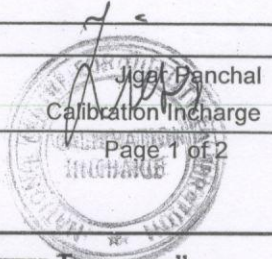
Standard Readings in mm	Reading Observer by UUC in mm	Error in mm	Expanded Uncertainty in µm (k=2) ±
125.000	125.000	0.000	1.551
127.500	127.500	0.000	1.574
130.100	130.100	0.000	1.616
132.700	132.700	0.000	1.668
135.300	135.300	0.000	1.690
137.900	137.900	0.000	1.715
140.000	140.000	0.000	1.697
142.600	142.600	0.000	1.756
145.200	145.201	0.001	1.835
147.800	147.801	0.001	1.858
150.000	150.001	0.001	1.844

Traceable To National / International Standards.

Calibrated By	Maulik Rathod Calibration Engineer	Reviewed & Approved By	Jigat Panchal Calibration Incharge
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Valid up to 18-12-2024
Reviewed: Jigen

NCQC System Certificate No. 285





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Details of Observation of Unit Under Calibration	Identification No. : NCQC/M-133
	Serial No. : 67198041
	Name of Instrument : Digital Micrometer

Calibration Results of Setting Stick

Standard Size in mm	Reading Observer by Reference in mm	Error in mm	Expanded Uncertainty in μm (k=2)
25.000	24.9999	-0.0001	6.5000
50.000	49.9998	-0.0002	6.5000
75.000	75.0002	0.0002	6.5000
100.000	99.9997	-0.0003	6.5000
125.000	124.9997	-0.0003	6.5000
Flatness within 2 μm		Parallelism within 2 μm	

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.
- 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	 Maulik Rathod Calibration Engineer	Reviewed & Approved By	 Jigar Panchal Calibration Incharge
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