



NCQC LABORATORY LLP

4, Abhishree Corporate Park, Nr. Swagat Bunglow BRTS,
 Iskcon-Ambli Road, Ambli, Ahmedabad-380 058 • Ph. +91-79-29795322, 29795323,
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 E-mail : ncqc@calibrationlaboratory.in, • calibrationlab.ncqc@gmail.com



CC-2128

Visit our Web Site : www.calibrationlaboratory.in • LLP IN : ACH-9094 / GSTIN : 24AAWFN8511B1Z9

Precision Calibration Centre 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/032 Issue No. 02

Name of Customer NCQC LABORATORY LLP 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat	Certificate No.	NCQC-M/200924/032
	Date of Issue	20/09/2024
	Date of Calibration	20/09/2024
	Suggested Due Date	19/09/2025
Date of Receipt / Ref.No.:		19/09/2024

ULR No. : CC21282400006582F	Discipline : Mechanical Calibration Dimension (Precision Instruments and Surface Topology)
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Details of Observation of Unit Under Calibration	Identification No. : NCQC/M-25
	Serial No. : 33271
	Name of Instrument : Profile Projector

Range	X axis - 0 to 200 mm, Y axis - 0 to 100 mm	Initial Error	Nil
Resolution	0.001 mm	Visual Inspection	Satisfactory
Make / Model	Radical/RPP-3000 DR	Type / Size	Digital
Location	Mechanical Laboratory		
Loc. of Calibration	At Laboratory	Std. Ref. Used	JIS B 7184
Environment Cond.	20 ± 2 °C, 40% to 60 % RH	Cali.Method No.	NCQC/CM/M/032
Actual Env. Cond.	20.5 °C 52.7 % RH		

Master Instruments Detail

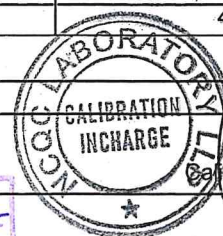
NCQC SYS.NO.	Nomenclature	Make/ Model	Id / Serial No.	Traceable To	Certificate No.	Valid Upto
287	Graduated Glass Scale	Graticules / =====	NCQC/M-130 / LG300-02	CC-2656	CGIL/2023/0531/F-001	02/06/2025
291	Angular Scale	=== / ===	NCQC/M-131 / AG-29	CC-2656	CGIL/2023/0906/K-001	06/09/2025
216/1	Graduated Glass Scale	===/===	NCQC/M-115/===	CC-2656	CGIL/2023/0531/F-003	02/06/2025
286	Digital Caliper	Baker / ===	NCQC/M-137 / 170691035	CC-2128	NCQC-M/200924/025	20/09/2024

Calibration Results (Linear X Axis)

Standard Readings in mm	Reading Observer by UUC in mm	Error in mm	Expanded Uncertainty in µm (k=2) ±
0.0	0.000	0.000	4.9
2.0	2.000	0.000	4.9
5.0	5.000	0.000	4.9
10.0	9.999	-0.001	4.9
25.0	25.000	0.000	4.9
50.0	50.001	0.001	4.9
75.0	75.001	0.001	4.9
100.0	100.001	0.001	4.9
150.0	150.001	0.001	4.9
175.0	175.002	0.002	4.9
200.0	200.002	0.002	4.9

Traceable To National / International Standards.

Calibrated By	 Maulik Rathod Calibration Engineer	Reviewed & Approved By	 Jigga Ranchal Calibration Incharge
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NCQC System Certificate No. 42

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NCQC DEFINES CALIBRATION AS "PRECISION AND RELIABILITY OF INSTRUMENTS FOR YOUR BETTER TOMORROW"



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Date of Receipt / Ref.No.: 19/09/2024

ULR No. : CC212824000006582F

Discipline : Mechanical Calibration
 Dimension (Precision Instruments and Surface Topology)

Details of Observation of Unit Under Calibration

Identification No. : NCQC/M-25
 Serial No. : 33271
 Name of Instrument : Profile Projector

Calibration Results (Linear Y Axis)

Standard Readings in mm	Reading Observer by UUC in mm	Error in mm	Expanded Uncertainty in μm ($k=2$) \pm
0.0	0.000	0.000	4.9
2.0	2.000	0.000	4.9
5.0	5.001	0.001	4.9
10.0	10.000	0.000	4.9
15.0	15.001	0.001	4.9
25.0	25.002	0.002	4.9
50.0	50.002	0.002	4.9
75.0	75.003	0.003	4.9
100.0	100.003	0.003	4.9

Angular results

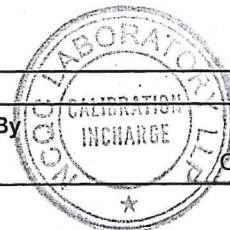
Standard Readings in °	Reading Observer by UUC in °	Error in °	Expanded Uncertainty in min. of arc ($k=2$) \pm
0	0.000	0.000	5.86
30	30.002	0.002	5.86
60	60.004	0.004	5.86
90	90.004	0.004	5.86
120	120.006	0.006	5.86
150	150.008	0.008	5.86
180	180.008	0.008	5.86
210	210.011	0.011	5.86
270	270.013	0.013	5.86
360	360.012	0.012	5.86

Traceable To National / International Standards.

Calibrated By

Maulik Rathod
 Calibration Engineer

Reviewed & Approved By



Jigar Panchal
 Calibration Incharge

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Calibration Result (Magnification)

Objective Magnification

20 X, 50 X, 100 X

Objective Magnification	Reading set on glass scale in mm	Reading Observed by Digital Caliper/Glass Scale in mm	Calculated Magnification	% Error	Expanded Uncertainty in % (k=2) ±
20 X	2.0	39.99	19.995	-0.02	0.41
50 X	1.0	50.00	50.000	0.00	0.41
100 X	0.5	50.00	100.000	0.00	0.41

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.
- 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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