

TANSON INSTRUMENT

(ULTRA-HIGH PRECISION MEASUREMENT & CALIBRATION)



TRUE COPY

Discipline: Mechanical

CALIBRATION CERTIFICATE OF ELECTRONIC LEVEL

Issue Date: 10/06/2023 Calibration Date: 10/06/2023 Suggested Due Date: ----- No. of Pages: 1 of 2

ULR NO.: CC266023000001020F Certificate No. TI/F/EL/003/23

Tested for : M/s. NATIONAL CENTRE FOR QUALITY CALIBRATION
House No. 4, Abhishree Corporate Park.
Nr. Swagat Bungalow BRTS, Iskcon-Ambli Road,
Ambli, Ahmedabad - 380058.

Description & Identification Of Instrument : Electronic Level
Range : $\pm 1.999\text{mm/m}$
Least Count : $\pm 0.001\text{ mm/m}$
Modal : BDL-011
Make : BAGSON
Serial No. : 133
Inst. Id. No. : NCQC/M-116

Environmental Conditions : Temperature : $(20 \pm 1)^\circ\text{C}$
Humidity : $(50 \pm 10)\% \text{RH}$

Calibration Location : Calibration Lab 2

Method of Calibration Used & Procedure No. : Comparison of level (in differential mode) with laser interferometer on a common tilting table
TI/WI/14

Reference Standard Used & Specification

Name	Laser Interferometer with Angular Optics.
Make	Renishaw
Cert. No.	22100993/D1.02/C-103
Calib. Due Date	03/11/2024
Traceability	NPL
Uncertainty	Angular - 0.01 Sec. and Linear - $\pm 0.1\mu\text{m/m}$

DATE OF RECEIPT: 10-06-2023

UNCERTAINTY OF MEASUREMENT IS AT COVERAGE FACTOR $k = 2$ FOR CONFIDENCE LEVEL OF 95% FOR A NORMAL DISTRIBUTION: $\pm 3.2\mu\text{m/m}$

Calibrated By
Rahul Yadav

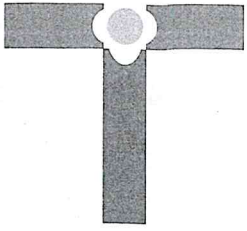


Approved By
MQ/TM
(Hitesh Tanwar)

NCQC This certificate pertains to the items calibrated at TANSON INSTRUMENT. No report should be reproduced without prior permission.
Valid up to 09-06-2024
Reviewed [Signature]

The results produced in this certificate are valid under stated condition at the time of calibration.

NCQC System Certificate No. 266



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CALIBRATION RESULTS

I). 0.001mm/m

Sr. No.	Nominal Value (mm/m)	Observed Value	
		(+) Right Side Measured value (mm/m)	(-) Left Side Measured value (mm/m)
1.	0.000	0.0000(set)	0.0000(set)
2.	0.050	0.0495	0.0498
3.	0.100	0.0996	0.0997
4.	0.300	0.2989	0.2998
5.	0.500	0.4988	0.4995
6.	0.800	0.7988	0.7989
7.	1.000	0.9987	0.9981
8.	1.200	1.1979	1.1972
9.	1.400	1.3969	1.3963
10.	1.600	1.5968	1.5968
11.	1.800	1.7965	1.7961

Mean Sensitivity: 0.00096mm/m

Calibrated By
Rahul Yadav



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