

TANSON INSTRUMENT

(ULTRA-HIGH PRECISION MEASUREMENT & CALIBRATION)



Discipline: Mechanical

CALIBRATION CERTIFICATE OF ELECTRONIC LEVEL

Issue Date: 15/06/2022 Calibration Date: 15/06/2022 Suggested Due Date: ----- No. of Pages: 1 of 2

ULR NO.: CC266022000001109F Certificate No. TI/F/EL/003/22

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 : $(50 \pm 10)\%RH$

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.	20100740/D 1.02/C-093
Calib. Due Date	21/10/2022
Traceability	NPL
Uncertainty	Angular - 0.01 Sec. and Linear - $\pm 0.1\mu\text{m/m}$

DATE OF RECEIPT: 15-06-2022

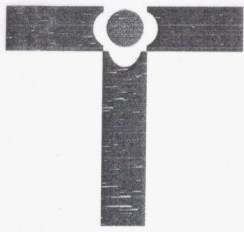
UNCERTAINTY OF MEASUREMENT IS AT COVERAGE FACTOR $k = 2$ FOR CONFIDENCE LEVEL OF 95% FOR A NORMAL DISTRIBUTION: $\pm 3.0\mu\text{m/m}$

Calibrated By
Rahul Yadav



Approved By
MQ/TM
(Hitesh Tanwar)

This certificate pertains to the items calibrated at TANSON INSTRUMENT. No report should be reproduced without prior permission.
The results produced in this certificate are valid under stated condition at the time of calibration.



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CC-2660

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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	0.0496	0.0499
3.	0.100	0.0995	0.0998
4.	0.300	0.2988	0.2997
5.	0.500	0.4987	0.4994
6.	0.800	0.7984	0.7985
7.	1.000	0.9985	0.9976
8.	1.200	1.1976	1.1965
9.	1.400	1.3965	1.3958
10.	1.600	1.5964	1.5967
11.	1.800	1.7962	1.7942

Mean Sensitivity: 0.00097mm/m

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