

TANSON INSTRUMENT

(ULTRA-HIGH PRECISION MEASUREMENT & CALIBRATION)



C-2660

TRUE COPY

Discipline: Mechanical CALIBRATION CERTIFICATE OF ELECTRONIC LEVEL

Issue Date: 02/06/2025

Calibration Date: 02/06/2025

Suggested Due Date: 01/06/2026

No. of Pages: 1 of 2

ULR NO.: CC266025000000656F

Certificate No. TI/F/EL/001/25

Tested for

: M/s. NCQC LABORATORY LLP.
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

Standard

: JIS B 7510

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

Reference Standard Used & Specification		Traceability of standard (s) Used:
Name Make Cert. No. Cali. Due Date Traceability Uncertainty	Laser Interferometer with Angular Optics. Renishaw DW-0017-24 05/11/2027 National Institute of metrology Thailand Angular - 0.01 Sec. and Linear - $\pm 0.1\mu\text{m/m}$	The standard used for calibration is traceable to National / International standards, through unbroken chain of calibration laboratory

Date of Receipt: 02-06-2025

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)

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.

NCQC System Certificate No. 266

NCQC LABORATORY LLP
Valid up to 09/06/2026
Reviewed *[Signature]*

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CALIBRATION RESULTS

1). 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	0.0498
3.	0.100	0.0998	0.0995
4.	0.300	0.2989	0.2997
5.	0.500	0.4986	0.4994
6.	0.800	0.7983	0.7986
7.	1.000	0.9995	0.9984
8.	1.200	1.1989	1.1982
9.	1.400	1.3991	1.3986
10.	1.600	1.5977	1.5979
11.	1.800	1.7979	1.7981

Mean Sensitivity: 0.00096mm/m

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