



Accurate Calibration & Testing Center

Regd. Office & Lab: 168, 1st Floor, Jai Ganesh Vision,

Akurdi, Pune - 411 035, Maharashtra, India.

Phone : +91 20 46779163, Email : sales.actc@gmail.com

CALIBRATION CERTIFICATE

ULR : NA Certificate No. : 2023/05/321
Work Order No. : ACTC/23-24/WO-5082 Issue Date : 18/05/2023
Receipt Date : 17/05/2023 Date of Calibration : 17/05/2023
Page No. : 1 of 3 Next Calibration Due on : 16/05/2024



Calibration Item : **DIGITAL INCLINOMETER**
Customer : **ElectroMech Material Handling Systems (India) Pvt. Ltd.**
Address : Plot No.1, Gat No.316, At Post Kasar Amboli, Tal-Mulshi, Dist.- Pune.
Calibration Location : Accurate, PUNE-411035

Specification of device under calibration

1) Make : Bosch
2) Model : ---
3) Base Length : 600 mm
4) Range : 0 to ± 1000 mm/m
5) Cal Range : 0 to ± 500 mm/m
6) Least Count : 1 mm/m
7) Sr. No. : 129002348
8) ID No. : EMLT/DIM/01
9) Condition of Item : OK
upon receipt
10) ACTC Inward No : 23-24/5082/14

Standard equipment used for calibration (Metrological Traceability)

1) Gauge Block Set (M88), ACTC-EQP-08
Certificate. No.: 2021/07/023
Calibration Validity upto 06-Jul-2023
2) Long Gauge Blocks, ACTC-EQP-11
Certificate. No.: 2021/07/050
Calibration Validity upto 09-Jul-2023

All measurement results are traceable to the international system of units (SI), ensured by comparison, directly or indirectly with National or International standards through unbroken chain of calibration

Environmental Conditions :

Temperature : 19.8 to 19.9°C

Calibration Method :

Calibration Procedure: ACTC/WI/34,
Calibration Method : Comparison
Discipline: Mechanical
Group: Dimension (Precision Instruments)

Calibration Results :

The results are reported on page no. 2 onward (s) of this calibration certificate.

Measurement Uncertainty : ± 0.300 mm/m

The uncertainty stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor $k=2$ corresponds to confidence level of 95.45%.

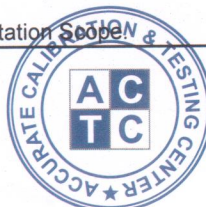
NOTES :

1. Next Calibration due date is reported as per customer request.
2. This certificate refers only to the particular item submitted for calibration.
3. This certificate shall not be reproduced, except in full, unless written permission for a publication of an approved abstract has been obtained from the Technical Director-Accurate Calibration & Testing Center.
4. The calibration results reported in this certificate are valid at the time of and under stated conditions of measurement.
5. This calibration certificate relates only to quantities & the results of measurements. No statement of conformity with any specification is made in this calibration certificate.
6. Above parameter is not covered under NABL Accreditation Scope.

Ms.Priti Suryawanshi

Calibrated By

Format No. AF-312, Rev. 00, Rev. Date: 01.03.2020



Sr.Cal.Engg.:Ms.Priti Suryawanshi

Authorized by



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ULR : NA

Certificate No. : 2023/05/321

ID No.: EMLT/DIM/01

Date of Calibration: 17/05/2023

Page No.: 2 of 3

CALIBRATION RESULTS

1. INSTRUMENTAL ERROR (LHS) :

Sr.No.	Reading of Inclinometer (mm/m)	Observed Calibration Standard Reading (mm/m)	Error Observed (mm/m)
1	10.000	10.258	-0.258
2	50.000	50.310	-0.310
3	100.000	100.352	-0.352
4	200.000	200.410	-0.410
5	300.000	300.450	-0.450
6	400.000	400.485	-0.485
7	500.000	500.525	-0.525

Note : Above parameter is not covered under NABL Accreditation Scope.

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CALIBRATION CERTIFICATE

ULR : NA
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Certificate No. : 2023/05/321
Date of Calibration: 17/05/2023

CALIBRATION RESULTS

2. INSTRUMENTAL ERROR (RHS) :

Sr.No.	Reading of Inclinometer (mm/m)	Observed Calibration Standard Reading (mm/m)	Error Observed (mm/m)
1	10.000	10.250	-0.250
2	50.000	50.302	-0.302
3	100.000	100.342	-0.342
4	200.000	200.403	-0.403
5	300.000	300.445	-0.445
6	400.000	400.478	-0.478
7	500.000	500.518	-0.518

--- "End of Certificate" ---

Note : Above parameter is not covered under NABL Accreditation Scope.

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