

Sucheta Enterprises



CC-3414

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SE/FM/20 REV NO. 01/29.10.2018 ISSUED ON : 17/01/2023

ULR - CC 3 4 1 4 2 3 0 0 0 0 0 0 4 3 F

CALIBRATION CERTIFICATE OF LEVER TYPE DIAL GAUGE

CALIBRATION CERTIFICATE NO. SE/2023/01/0043

CALIBRATION DATE : 17/01/2023 NEXT CALIBRATION DUE DATE : 17/01/2024 PAGE 1 OF 1

TESTED FOR : Setco Spindles India Pvt. Ltd.
 Nanded Village
 Pune.

REFERENCE : Challan No. : SSIPL/4450

CONDITION OF ITEM : OK

IDENTIFICATION : Lever Type Dial Gauge
 Range : 0 - 0.2 mm
 ID. No. : -----

Dated : 16/01/2023

Date of Receipt : 16/01/2023

Make : Mitutoyo

L.C. : 0.002 mm

Sr. No. : ZNH 972 ✓

IDENTIFICATION MARK BY SE : 141 / 2

CALIBRATION PROCEDURE : SE/WI/06 Based on IS 11498 - 1985.

CALIBRATION EQUIPMENTS : Used Standards / Equipments are traceable to National / International Standards.

Equipment	Sr. No.	Certificate No.	Traceability With	Validity upto
Dial Calibration Tester	2008/10	P/24/210028	CC - 2082	30/12/2023

ENVIRONMENTAL CONDITIONS : Temperature : $20 \pm 2^\circ\text{C}$

UNCERTAINTY OF MEASUREMENT : $\pm 3.2 \mu\text{m}$

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 %.

Mechanical Calibration : Dimension (Basic - Measuring Instruments, Gauges, etc.)

Reading in mm	Deviation in μm	
	Stylus Up	Stylus Down
0.00	0.0	0.0
0.02	-0.2	0.2
0.04	0.2	0.0
0.06	0.6	-0.2
0.08	0.8	0.2
0.10	0.6	-0.4
0.12	0.4	-0.6
0.14	-0.2	-1.0
0.16	-0.8	-0.6
0.18	-1.6	-1.4
0.20	-1.8	-1.0
Total Error	2.6 μm	1.6 μm
Hysteresis	2.0 μm	3.2 μm
Repeatability	0.4 μm	0.4 μm

Calibrated By
 (B. S. Deshpande)



Authorized By

 Technical Manager
 (B. S. Deshpande)

- The above results relate only to the Instrument / Gauge calibrated.
- The calibration result reported in this certificate are valid at the time & under stated conditions of measurements.
- This certificate shall not be reproduced except in full without approval of Lab In-charge.
- Next Calibration due date is reported as per customer request.