

Calibration Certificate of Digital Micrometer

NAME AND ADDRESS OF CUSTOMER:

xxx

49 - B, Sidco Industrial Estate (NP), Ambattur,
Chennai - 600 098.

Certificate No. : M /21-22/ 2782-07
ULR No. : CC236322000000542F
Date of issue : 11-01-2022
Date of Calibration : 11-01-2022
Next Calibration Due : 10-01-2022

DESCRIPTION OF INSTRUMENT:

Range : 25 - 50 mm
Leastcount : 0.001 mm
Identification No. : M/47
SI . No : 63347464
Make : Mitutoyo

Customer's Reference : D.C./P.O. No: 4064 Date: 07-01-2022
Date of Receipt : 08-01-2022 Our Inward No.: M /SER/21-22/ 2782-7
Calibration Procedure No. : M-CP-002 [Based on IS 2967 - 1983]
Environmental Condition during calibration : Temperature : 20.0 °C Humidity : 51.3 %
Uncertainty of Measurement : $\pm 2.0 \mu\text{m}$ (At 95.45% confidence level with coverage factor K = 2)

Reference Standards & Equipments Used For Calibration

Sr. No.	Name of the Master Used	Id. No.	Calibration Report No.	Valid Upto	Traceability
1	Gauge Block Set Grade '0'	MMT-RS-17	KCP/01/20-21/1732 & 3027	10-08-2022 & 10-10-2022	NABL Lab. No. CC-2323
2	Optical Flat	MMT-RS-14	2020/06/132	22-06-22	NABL Lab. No. CC-2188

MECHANICAL CALIBRATION (DIMENSION)

CALIBRATION RESULTS

(All values are in mm)

Reference Slip Size	Observed value on Micrometer	Error
25.000	25.000	Set
27.500	27.500	0
30.100	30.099	-0.001
32.700	32.698	-0.002
35.300	35.293	-0.007
37.900	37.898	-0.002
40.000	40.001	0.001
42.600	42.599	-0.001
45.200	45.200	0
47.800	47.801	0.001
50.000	50.001	0.001

---	Flatness of Measuring faces	Parallelism of Measuring faces
Spindle	*	0.005
Anvil	*	

* Couldn't be measured due to poor surface finish.

Zero Error before Calibration: -0.002 (Adjusted)

... END OF CERTIFICATE ...

B. Manikandan
(Calibration Engineer)

R.Balamuralikrishnan
(Quality Manager)