

Laboratory

Adarsh Calibration Centre, Pap -7, Mail's Corner, MIDC, Gokul Shirgaon, Tal. Karveer, Kolhapur, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

CC-2544

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Validity

18.01.2018 to 17.01.2020

Last Amended on --

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
I. DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)				
1.	External Micrometer ^s L.C.: 0.001mm L.C.: 0.01mm	0 to 100mm 100 mm to 500mm	3.0 μ m 6.1 μ m	Using Gauge Block Set By Comparison Method
2.	Depth Micrometer ^s L.C.: 0.01mm	0 to 200 mm	6.0 μ m	Using Slip Gauge Block Set By Comparison Method
3.	Vernier caliper ^s (Digital/Dial) L.C.: 0.01mm	0 to 600 mm	15.0 μ m	Using Caliper Checker By Comparison Method
4.	Height Gauge ^s L.C.: 0.01mm	0 to 600 mm	21.6 μ m	Using Caliper Checker & Surface Plate By Comparison Method
5.	Depth Vernier ^s L.C.: 0.02mm	0 to 300 mm	19.1 μ m	Using Gauge Block & Surface Plate By Comparison Method
6.	Plunger Dial ^s L.C.: 0.001mm L.C.: 0.01mm	0 to 1 mm 0 to 10 mm	3.6 μ m 6.0 μ m	Using Dial Calibration Tester By Comparison Method

Abhinav Thakur
Convenor

Avijit Das
Program Director

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
7.	Lever Dial [§] L.C.: 0.001mm L.C.: 0.01mm	0 to 1 mm 0 to 0.8 mm	3.1 μ m 6.0 μ m	Using Dial Calibration Tester By Comparison Method
8.	Bore Gauge [§] (For Transmission Error)	0 to 1 mm	4.4 μ m	Using Dial Calibration Tester By Comparison Method
9.	Pistol caliper [§]	0 to 50mm	57.8 μ m	Using Slip Gauge Block Set By Comparison Method
10.	Feeler Gauge [§]	0 to 1 mm	2.6 μ m	Using Digital Micrometer By Comparison Method
11.	Plain Plug Gauge/Width Gauge/Flush pin Gauge [§]	2 to 100 mm 100 mm to 450 mm	1.5 μ m 6.8 μ m	Using Slip Gauge Block Set ,Comparator Stand & Plunger Dial By Comparison Method
12.	Snap Gauge [§]	3 to 100 mm 100 mm to 300 mm 300 mm to 500 mm	1.7 μ m 3.0 μ m 5.0 μ m	Using Slip Gauge Block Set By Comparison Method
13.	Measuring Pin [§]	0.5 mm to 20.00 mm	2.1 μ m	Using ULM Machine By Comparison Method
14.	Height piece/setting Master/OD Master [§]	0 to 150 mm 150 mm to 475 mm	2.6 μ m 6.8 μ m	Using Slip Gauge Block Set ,Comparator Stand & Plunger Dial By Comparison Method

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
15.	Thread Plug Gauge [§] (Effective Diameter)	0 to 100 mm	4.1 μ m	Using ULM Machine, Thread measuring Wire Set By Comparison Method
16.	Thread Ring Gauge [§] (Effective diameter)	5 mm to 100mm	4.5 μ m	Using ULM Machine & Master Ring Gauge By Comparison Method
17.	Plain Ring Gauge [§]	3 mm to 60mm 60 mm to 225mm	3.9 μ m 6.65 μ m	Using ULM Machine & Master Ring Gauge By Comparison Method
18	Surface Plate [*]	2000×2000mm	$3.6 \sqrt{\frac{L+W}{120}} \mu\text{m}$ (L&W in mm)	Using Level Bottle By Comparison Method

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

[§] Only in Permanent Laboratory

^{*} Only for Site Calibration

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