

Laboratory Unik Gauges & Tools Calibration Laboratory, Survey No 36/1/1,
Wadgaon Khurd, Sinhagad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC- 2602 (In lieu of C-0804)

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Validity 13.03.2018 to 12.03.2020

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.	Plain Plug Gauges/ Setting Plug Gauge/ Width Gauge [§]	Upto 100 mm 100 mm to 200 mm	1.4 μ m 1.7 μ m	Using Electronic Comparator with stand & Slip Gauges
2.	Plain Taper Plug Gauge Dia. & Angle [§]	Dia. Upto 200 mm Half Included Angle 22°30"	3.5 μ m 48 Sec.	Using Universal Length Measuring Machine
3.	Thread Plug gauges/WCP/ C.P [§]	1 mm to 175 mm From 175 to 250 mm	3.8 μ m 3.4 μ m	Using Electronic F.C.D.M.M., Thread Measuring Wires, & Cylindrical Setting Masters & Universal Length Measuring Machine
4.	Taper thread Plug Gauge /WCP/CP [§]	Up to 6"	3.8 μ m	Using Electronic F.C.D.M.M. & Thread Measuring Wires, Cylindrical Setting Masters
5.	Plain Ring Gauges/Setting Ring Gauges [§]	3 mm to 300 mm	1.7 μ m	Using Universal Length Measuring Machine, Master Ring Gauges
6.	Plain Taper Ring Gauge Dia. & Angle [§]	3 mm up to 200 mm Half Included Angle 22°30"	1.9 μ m 46 s	Using Universal Length Measuring Machine, Master Ring Gauges

Rajeshwar Kumar
Convenor

Avijit Das
Program Director

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7.	Thread Ring Gauges/WCR [§]	3 mm to 300 mm	2.1 μ m	Using Universal Length Measuring Machine, Master Ring Gauges
8.	Taper Thread Ring Gauges/WCR [§]	Upto 6"	2.2 μ m	Using Universal Length Measuring Machine, Master Ring Gauges
9.	Plain Snap / Gap Gauges [§]	Upto 200 mm	1.5 μ m	Using '0' Grade Gauge Blocks
10.	Cylindrical Measuring Pins [§]	Upto 20 mm	1.3 μ m	Using Electronic Comparator With Stand & Using '0' Grade Gauge Blocks
11.	Thread Measuring Wires [§]	0.17mm to 6.35 mm	1.3 μ m	Using Electronic Comparator with Stand
12.	Cylindrical Setting Master [§]	Upto 200 mm	1.6 μ m	Using Electronic Comparator with Stand & Using '0' Grade Gauge Blocks
13.	Calipers [§] (Digital/ Vernier) L.C.:0.020 mm ^ϕ	Upto 600 mm	18 μ m	Using Caliper Checker By Comparison Method
14.	External Micrometer [§] L.C.:0.001 mm ^ϕ	Upto 150 mm	1.6 μ m	Using Gauge Blocks by Comparison Method

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15.	Micrometer Setting Standard [§]	Upto 150 mm	1.5 μ m	Using Electronic Comparator with stand & Slip Gauges
16.	Plunger Dial [§] L.C.:0.001 mm Φ	0 to 25 mm	1.1 μ m	Using Universal Length Measuring Machine
17.	Lever Dial [§] L.C.:0.001 mm Φ	0 to 2 mm	1.1 μ m	Using Universal Length Measuring Machine
18.	Bore Gauge [§] (Transmission Accuracy)	2 mm	1.6 μ m	Using Universal Length Measuring Machine

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

[§] Only in Permanent Laboratory

Φ Laboratory can also calibrate instruments/devices of coarser resolution / least count within the accredited range using same reference standard/ master equipment under the scope of accreditation.

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