

Laboratory

PRS Instruments Manufacturing Industries (Calibration Lab),
S. No. 54, P. No. 112, Swami Vivekanand, Co-op Indl. Estate, Sasane
Nagar, Hadapsar, Haveli, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

CC-2244

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Validity

25.07.2018 to 24.07.2020

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
1. DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)				
1.	Calipers ^s (Vernier/Dial/Digital) L.C.: 10 μ m	0 to 600 mm	15.0 μ m	Using Caliper Checker & External Micrometer by Comparison Method as per IS 3651
2.	Height Gauge ^s (Vernier/Dial/Digital) L.C.: 10 μ m	0 to 600 mm	9.6 μ m	Using Caliper Checker & Surface Plate by Comparison Method as per IS 2921
3.	External Micrometer ^s (Vernier/Dial/Digital) L.C.: 1 μ m	0 to 100 mm	1.9 μ m	Using Gauge Block Set by Comparison Method as per IS 2967
4.	Plunger Dial Gauges ^s L.C.: 1 μ m L.C.: 10 μ m	0 to 1mm 0 to 25 mm	2.6 μ m 3.4 μ m	Using Dial Calibration Tester by Comparison Method as per IS 2092
5.	Lever Dial Gauges ^s L.C.: 1 μ m L.C.: 10 μ m	0 to 0.14 mm 0 to 0.8 mm	2.6 μ m 3.5 μ m	Using Dial Calibration Tester by Comparison Method as per IS 11498
6.	Bore Gauge Transmission Only ^s L.C.: 1 μ m	Upto 1 mm	4.9 μ m	Using Dial Calibration Tester & Plunger Dial Gauge by Comparison Method
7.	Plain Plug Gauge ^s	0 to 100 mm 100 mm to 200 mm 200 mm to 300 mm	1.8 μ m 2.0 μ m 2.9 μ m	Using ULM & Master Setting Plug Gauge by Comparison Method as per IS 3455

Rajeshwar Kumar
Convenor

Avijit Das
Program Manager

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
8.	Plain Ring Gauge [§]	2 mm to 100 mm >100 mm to 200 mm	1.8 μ m 2.1 μ m	Using ULM & Master Setting Ring Gauge by Comparison Method as per IS 3485
9.	Measuring Pin [§]	0.5 mm to 20 mm	1.6 μ m	Using ULM by Comparison Method as per IS 11103
10.	Taper Plug Gauge [§] Major/ Minor Diameter Angle	2 mm to 100 mm Half included angle 30°	4.1 μ m 33s	Using ULM, Roller Pin and Gauge Block Set by Comparison Method as per IS 2251 and IS 9475
11.	Cylindrical Setting Master [§] Diameter Variation Runout	0 to 100 mm Upto 6 μ m	1.8 μ m 1.7 μ m	Using ULM by Comparison Method as per IS 4349

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

[§]Only in Permanent Laboratory

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