

Laboratory Sterling Tools Limited, 5-A, DLF Industrial Estate, Faridabad, Haryana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2886 (in lieu of C-0327)

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Validity 11.12.2018 to 10.12.2020

Last Amended on -

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

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.: 0.001 mm ϕ	0 to 100 mm	3.0 μ m	Using Gauge Block by Comparison Method
2.	Vernier Calipers ^s L.C.: 0.01 mm L.C.: 0.02 mm	0 to 200 mm 0 to 300 mm	18.1 μ m 25.0 μ m	Using Caliper Checker
3.	Height Gauge ^s L.C.: 0.01 mm	0 to 300 mm 0 to 600 mm	17.0 μ m 24.0 μ m	Using Caliper Checker
4.	Dial Gauge ^s (Plunger Type) L.C.: 0.001 mm L.C.: 0.01 mm	0 to 1.0 mm 0 to 10.0 mm	3.7 μ m 4.0 μ m	Using Dial Calibration Tester
5.	Dial Gauge ^s (Lever Type) L.C.: 0.001 mm ϕ	0 to 0.80 mm	3.6 μ m	Using Dial Calibration Tester
6.	Thread Plug Gauge & Wear Check Plug ^s (Effective Diameter)	M 5 to M 24 & 1/4" to 1"	5.0 μ m 5.0 μ m	Using FCDM
7.	Plain Plug Gauge/ Measuring Pin ^s	Upto 25 mm	6.0 μ m	Using FCDM, Master Cylinder and Dial Gauge

Sangeeta Kunwar
Convenor

Avijit Das
Program Manager

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
8.	Pin Type Bore Gauge [§]	3.7 mm to 150 mm	7.0 μ m	Using Dial Calibration Tester

* 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.