

Laboratory Sansera Engineering Ltd., 261/C, Bommasandra Industrial Area,
Bengaluru, Karnataka

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2399

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Validity 12.04.2019 to 07.10.2019

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.	Caliper [§] (Digital/Dial) L.C.: 0.01 mm	0 to 300 mm	16.0 μ m	Using Caliper Checker by Comparison Method IS 3651 (Part-II)-1985
2.	External Micrometer [§] L.C.: 0.001 mm	0 to 100 mm	2.5 μ m	Using Grade "0" Slip Gauge By Comparison Method IS 2967-1983
3.	Digital Height Gauge [§] L.C.: 0.01 mm	0 to 600 mm	17.0 μ m	Using 2D Height Gauge by Comparison Method IS 2921-2016
4.	Plain Plug Gauge [§]	0.80 mm to 125 mm	2.7 μ m	Using Grade "0" Slip Gauge And Dial Comparator by Comparison Method IS 3455-1971
5.	Setting Ring Gauge [§] Diameter Roundness	\varnothing 2 mm to 100 mm	3.0 μ m 0.4 μ m	Using CMM & Form Tester by Comparison Method
6.	Master Cylinder [§] Roundness Straightness Cylindricity	Upto \varnothing 30 x L-150 mm	0.42 μ m 1.40 μ m 1.52 μ m	Using Form Tester by Comparison Method IS 3485

Mohit Kaushik
Convenor

Srikanth R.
Program Manager

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7.	Roundness Master [§] (Hemi Sphere)	Upto \varnothing 200 mm	0.4 μ m	Using Form Tester by Comparison Method
8.	CD Master Setting Gauge [§] Center Distance Parallelism (Bend & twist)	Upto 200 mm	4.0 μ m 3.7 μ m	Using CMM
9.	Width Gauge [§]	0.8 mm to 125 mm	2.7 μ m	Using Grade "0" Slip Gauge and Dial Comparator by Comparison Method IS 3455-1971
10.	Snap Gauge [§]	Upto 100 mm	2.5 μ m	Using Grade "0" Slip Gauge by Comparison Method IS 3477
11.	Micrometer Setting Master [§]	25 mm to 125 mm	2.7 μ m	Using Grade "0" Slip Gauge and Dial Comparator by Comparison Method IS 7014
12.	Plain Ring Gauge [§]	\varnothing 2 mm to 100 mm	3.0 μ m	Using CMM by Comparison Method IS 3485
13.	Caliper Checker [§]	Upto 300 mm	4.6 μ m	Using CMM
14.	Dial Comparator Stand [§] Flatness	Upto \varnothing 60 mm	0.6 μ m	Using Form Tester

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
15.	Setting Plug Gauge [§] Diameter	0.8 mm to 125 mm	2.7 μ m	Using Grade "0" Slip Gauge and Dial Comparator by Comparison Method

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

[§]Only in Permanent Laboratory