

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

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Calibration **Issue Date** 08.10.2015

Certificate Number C-0452 **Valid Until** 07.10.2017

Last Amended on 05.02.2016 **Page** 1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. DIMENSION			
1. CALIPERS \$ (Digital/Dial) L.C.: 0.01mm	0 to 300 mm	16.0 μ m	Using Caliper Checker
2. External Micrometer \$ L.C.: 0.001mm	0 to 100 mm	2.5 μ m	Using Grade '0' Slip Gauges
3. Digital Height Gauge \$ L.C.: 0.01mm	0 to 600 mm	17.0 μ m	Using Grade '0' Slip Gauges
4. Plain Plug Gauge \$	80 mm to 50 mm	2.0 μ m	Using Grade 0, Slip Gauges & Dial Comparator
5. Setting Ring Gauge \$ a)Diameter b)Roundness	2 mm to 75 mm	3.0 μ m 0.2 μ m	Using CMM & Form Tester
6. Master Cylinder \$ a) Roundness b) Straightness c) Cylindricity	Upto \varnothing 30 mm X \varnothing 150 mm	0.2 μ m 1.4 μ m 1.5 μ m	Using Form Tester
7. Roundness Master \$ (Hemi Sphere)	Upto \varnothing 200 mm	0.16 μ m	Using Form Tester

Ram Ashray
Convenor

Avijit Das
Program Manager

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

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Calibration **Issue Date** 08.10.2015

Certificate Number C-0452 **Valid Until** 07.10.2017

Last Amended on 05.02.2016 **Page** 2 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
8. Master Setting Gauge \$ a)Center Distance b)Parallelism (Bend & Twist)	Upto 200 mm	3.3 μ m	Using CMM
9. Width Gauge \$	0.80 to 50 mm	2.0 μ m	Using Grade 0, Slip Gauges & Dial Comparator
10. Snap Gauge \$	Upto 50 mm	2.2 μ m	Using Grade 0, Slip Gauges
11. Micrometer Setting Master \$	25 to 100 mm	2.0 μ m	Using Grade 0, Slip Gauges & Dial Comparator
12. Plain Ring Gauge \$	2 to 75 mm	3.0 μ m	Using CMM
13. Caliper Checker \$	Upto 300 mm	4.0 μ m	Using CMM
14. Dial Comparator Stand \$ a) Flatness	Upto \varnothing 60 mm	0.5 μ m	Using Form 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.

Ram Ashray
Convenor

Avijit Das
Program Manager