

**Laboratory** Indoshell Metrology Laboratory, 186/4, Private Industrial Estate,  
Coimbatore, Tamil Nadu

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** CC-2533

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**Validity** 18.01.2018 to 17.01.2020

**Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b><u>MECHANICAL CALIBRATION</u></b>				
<b>I. DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)</b>				
1.	Vernier Caliper <sup>s</sup> L.C. 0.01mm	Up to 300 mm	15.0 $\mu$ m	Using Caliper Checker / Slip gauge
2.	Vernier Depth Gauge <sup>s</sup> L.C. 0.01 mm	Up to 300 mm	9.3 $\mu$ m	Using Slip Gauge / Long Slip
3.	External Micrometer <sup>s</sup> L.C. 0.001 mm	Up to 100 mm 100 mm to 200 mm	2.3 $\mu$ m 7.0 $\mu$ m	Using Micrometer Check Set / Slip Gauge
4.	Vernier Height Gauge <sup>s</sup> L.C. 0.01 mm	Up to 300 mm	13.3 $\mu$ m	Using Micro Hite Height Gauge
5.	Plunger Dial Gauge <sup>s</sup> L.C. 0.001 mm	Up to 25 mm	2.8 $\mu$ m	Using Horizontal Measuring Bench
6.	Lever Type Dial Gauge <sup>s</sup> L.C. 0.001 mm	Up to 1 mm	2.8 $\mu$ m	Using Horizontal Measuring Bench
7.	Dial Bore Gauge <sup>s</sup> L.C. 0.001 mm (Transmission Error Only)	Up to 1 mm	2.1 $\mu$ m	Using Horizontal Measuring Bench
8.	Plain Plug Gauge <sup>s</sup>	3 mm to 100 mm	2.7 $\mu$ m	Using Horizontal Measuring Bench
9.	Plain Ring Gauge/ Master Setting Ring <sup>s</sup>	10 mm to 100 mm	3.4 $\mu$ m	Using Horizontal Measuring Bench

**Ashish Kakran**  
Convenor

**Avijit Das**  
Program Director

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
10.	Snap Gauge <sup>§</sup>	0.5 mm to 200 mm	1.9 $\mu$ m	Using Slip Gauge
11.	Radius Gauge <sup>§</sup>	Up to 25 mm	12.7 $\mu$ m	Using Profile Projector
12.	Feeler Gauge <sup>§</sup>	0.05 mm to 1 mm	2.1 $\mu$ m	Using Horizontal Measuring Bench
13.	Pistol Caliper <sup>§</sup> L.C. 0.1 mm	Up to 100 mm	61.1 $\mu$ m	Using Slip Gauge
14.	V – Blocks <sup>§</sup> Flatness Parallelism Perpendicularity Angularity	Up to 200 mm	6.1 $\mu$ m 6.1 $\mu$ m 6.1 $\mu$ m 12.96 sec of Arc	Using Coordinate Measuring Machine

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

<sup>§</sup>Only in Permanent Laboratory

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