

**Laboratory** Calibration Laboratory, Hema Engineering Industries Limited, 1/3  
K.M. Khandsha Road, Gurgaon, Haryana

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

**Certificate Number** CC-2063 (in lieu of C-0398) **Page** 1 of 1

**Validity** 24.02.2017 to 23.02.2019 **Last Amended on** --

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b><u>MECHANICAL CALIBRATION</u></b>				
<b>I.</b>	<b>DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)</b>			
1.	Dial / Digital / Vernier Caliper <sup>§</sup> (L.C. 0.01 mm) <sup>Φ</sup>	0 to 150 mm	9.0 $\mu$ m	Using Caliper Checker & Gauge Blocks
		0 to 200 mm	10.0 $\mu$ m	
		0 to 300 mm	10.0 $\mu$ m	
		0 to 600 mm	11.0 $\mu$ m	
2.	External Micrometer <sup>§</sup> (L.C. 0.001 mm) <sup>Φ</sup>	0 to 25 mm	1.0 $\mu$ m	Using Gauge Blocks & Micro Check Set
		25 mm to 50 mm	1.1 $\mu$ m	
		50 mm to 75 mm	1.2 $\mu$ m	
		75 mm to 100 mm	1.4 $\mu$ m	
3.	Micrometer Setting Standard <sup>§</sup>	Upto 75 mm	2.6 $\mu$ m	Gauge Block/Lever Dial Gauge/Surface Plate
4.	Dial Indicator <sup>§</sup> (Plunger Type) (L.C. 0.01 mm) <sup>Φ</sup>	0 to 10	2.1 $\mu$ m	Using Dial Calibration Tester
5.	Dial Test Indicator <sup>§</sup> (Lever Type) (L.C. 0.001 mm) (L.C. 0.01 mm)	0 to 0.14 mm	2.1 $\mu$ m	Using Dial Calibration Tester
		0 to 0.80 mm	6.0 $\mu$ m	
6.	Height Gauge <sup>§</sup> (L.C. 0.01 mm) <sup>Φ</sup>	0 to 300 mm	10.0 $\mu$ m	Using Caliper Checker / Gauge Blocks/Surface Plate
		0 to 600 mm	12.0 $\mu$ m	

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

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

**Battal Singh**  
Convenor

**Avijit Das**  
Program Director