

Laboratory Mechanical Measurement & Calibration Laboratory, R&D Centre for Bicycle & Sewing Machine, B – 38, 39, Phase V, Focal Point, Ludhiana, Punjab

Accreditation Standard ISO/IEC 17025:2005

Discipline Mechanical Calibration **Issue Date** 13.07.2016

Certificate Number C-0823 **Valid Until** 12.07.2018

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Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (\pm)	Remarks
I. DIMENSION (Basic Measuring Instrument, Gauge etc.)			
1. VERNIER CALIPER^{\$} (Analog/Digital) L.C. : 0.01 mm ^Φ	0 to 100 mm 0 to 300 mm	19.0 μ m 22.0 μ m	Using Gauge Block Set & Ring Gauge by Comparison Method
2. EXTERNAL MICROMETER^{\$} L.C. : 0.001 mm ^Φ	0 to 25 mm 0 to 100 mm	2.0 μ m 2.3 μ m	Using Micrometer Check Gauge by Comparison Method
3. THREAD PLUG GAUGE^{\$}	1 mm to 100 mm	4.0 μ m	Using ULM & Three Wire Set by Comparison Method
4. THREAD RING GAUGE^{\$}	3 mm to 100 mm	4.0 μ m	Using ULM & Setting Ring Gauge by Comparison Method
5. PLAIN PLUG GAUGE^{\$}	0 to 100 mm	4.0 μ m	Using ULM by Comparison Method
6. PLAIN RING GAUGE^{\$}	0 to 100 mm	4.0 μ m	Using ULM & Setting Ring Gauge by Comparison Method
7. DIAL INDICATOR^{\$} L.C. : 0.01 mm L.C. : 0.001 mm	0 to 10 mm 0 to 50 mm	6.3 μ m 2.6 μ m	Using ULM by Comparison Method
8. DIAL TEST INDICATOR^{\$} L.C. : 0.01 mm L.C. : 0.001 mm	0 to 0.8 mm 0 to 0.14 mm	6.3 μ m 2.2 μ m	Using ULM by Comparison Method
9. SNAP GAUGE^{\$}	0 to 100 mm	3.2 μ m	Using Gauge Block Set by Comparison Method
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