

Laboratory Sri Ranganathar Industries Private Limited, 12/45 Thadagam Road,
Edayarpalayam, Coimbatore, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2709

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Validity 28.05.2018 to 21.09.2018

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.	Vernier / Dial Calipers ^s (Vernier/Dial/Digital) LC: 10 μ m	Upto 1000mm	14.0 μ m	Using Caliper Checker and Gauge Blocks
2.	Depth Gauge/ Hook Depth Gauge ^s (Vernier/Dial/Digital) LC: 10 μ m	Upto 600mm	14.0 μ m	Using Gauge Blocks and Long Gauge Blocks
3.	Height Gauge ^s (Vernier/Dial/Digital) LC: 10 μ m	Upto 600mm Upto 1000mm	12.0 μ m 13.5 μ m	Using Caliper Checker
4.	External Micrometer ^s (Mechanical/Digital) LC: 1 μ m	Upto 50mm Above 50mm to 400mm	2.5 μ m 6.1 μ m	Using Gauge Blocks Using Universal Length Measuring M/c
5.	Micrometer Setting Rod ^s	25 mm to 375mm	6.1 μ m	Using Universal Length Measuring M/c

Ashish Kakran
Convenor

Avijit Das
Program Director

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
6.	Plunger Type Dial/Digital Gauge [§] LC: 1 μ m	Upto 10mm	0.9 μ m	Using Universal Length Measuring M/c
7.	Lever Type Dial Gauge [§] LC: 1 μ m LC: 10 μ m	Upto 0.14mm Upto 0.8mm	0.9 μ m 6.0 μ m	Using Universal Length Measuring M/c
8.	Dial Bore Gauge [§] (Transmission Only) LC: 1 μ m	\varnothing 18 to 500mm Upto 2mm travel	3.0 μ m	Using Universal Length Measuring M/c
9.	Plain Plug Gauge [§]	\varnothing 1 Upto 200mm Above \varnothing 200 upto 400mm	1.7 μ m 2.9 μ m	Using Universal Length Measuring M/c
10.	Plain / Setting Ring Gauge [§]	\varnothing 2 to 200mm	2.2 μ m	Using Universal Length Measuring M/c
11.	Snap Gauge [§] (Plain/Adjustable)	2 mm to 200mm	1.9 μ m	Using Gauge Blocks and Long Gauge Blocks
12.	Thread Plug Gauge [§]	\varnothing 2 Upto 150mm Above \varnothing 150 upto 300mm	1.9 μ m 2.5 μ m	Using Universal Length Measuring M/c
13.	Thread Ring Gauge [§]	\varnothing 6 to 200mm	2.3 μ m	Using Universal Length Measuring M/c

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14.	Internal / Stick / Tubular Micrometer [§] LC: 10 μ m	50 mm to 500mm	7.3 μ m	Using Universal Length Measuring M/c

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

[§] Only in Permanent Laboratory

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