



# Aavanira Technologies (P) Ltd.

## LABORATORY SCOPE

Sl	Parameter*/Device Under Calibration	Master Equipment used	Range(s) of Measurement	Calibration and Measurement Capability ( $\pm$ )	Calibration Performed At
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Discipline: Mechanical			Group: Dimension( Basic measuring instruments, gauges etc)		
1	Caliper ( Vernier/dial/digital) L.C 0.01 MM	Using caliper checker /by comparison method IS 3651	Upto 600mm	14.98 $\mu$ m	At lab
2	Depth Caliper (Vernier/dial/digital) L.C 0.01 MM	Using gauge block set, long gauge block & surface plate by comparison method IS 4213	UPTO 300	9.5 $\mu$ m	At lab
3	Height gauge (Vernier/dial/digital) L.C 0.01MM	Using caliper checker & surface plate By comparison method IS 2921	Up to 600mm	14.98 $\mu$ m	At lab
4	External Micrometer L.C 0.001 MM	Using gauge block set, Long gauge block By comparison method IS 2967	0 to 25 mm	1.35 $\mu$ m	At lab
5	External Micrometer L.C 0.001 MM	Using gauge block set, Long gauge block By comparison method IS 2967	25 to 50 mm	1.7 $\mu$ m	At lab
6	External Micrometer L.C 0.001 MM	Using gauge block set, Long gauge block By comparison method IS 2967	50 to 75 mm	1.7 $\mu$ m	At lab
7	External Micrometer L.C 0.001 MM	Using gauge blockset, Long gauge block By comparison method IS 2967	75 to 100 mm	1.8 $\mu$ m	At lab
8	Depth Micrometer (Traverse) L.C 0.001 MM	Using gauge block se & Surface plate by comparison method IS JIS B 7544	upto 300 mm	9.0 $\mu$ m	lab
9	Dial gauge	Using dial calibration tester	0 to 25 mm	3.5 $\mu$ m	Lab



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	( plunger type) L.C 0.001 MM	Comparison method IS 2092			
11	Dial gauge ( lever type ) L.C 0.001MM	Using dial calibration tester Comparison method IS 11498	0 to 0.14 mm	3.5 $\mu$ m	Lab
12	Dial gauge ( lever type ) L.C 0.01MM	Using dial calibration tester Comparison method IS 11498	0 to 1mm	3.0 $\mu$ m	Lab
13	Bore gauge ( Transmission movement only ) L.C-0.001MM	Using dial calibration tester Comparison method	0 to 1 mm	5.2 $\mu$ m	lab
14	Pistol caliper, Outside Dial Caliper, Dial thickness Gauge L.C – 0.1MM	Using slip gauge set By comparison method	0 to 50 mm	70 $\mu$ m	lab
15	Snap gauge	Using slip gauge set By comparison method	3 to 100 mm	4 $\mu$ m	lab