

Laboratory VKR Calibration Labs, 6-2-102/D, Plot No. 100B, Shirdi Sainagar Colony, Balanagar, Hyderabad, Telangana
Accreditation Standard ISO/IEC 17025: 2005
Discipline Mechanical Calibration **Issue Date** 03.06.2014
Certificate Number C-1077 **Valid Until** 02.06.2016
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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. DIMENSION			
1. EXTERNAL MICROMETER^s (DIGITAL /ANALOG)			
L.C.: 0.001mm	0 to 100 mm	1.7 μ m	Using Slip Gauges M10 & Setting Rod. By Comparison method
L. C. : 0.01 mm	100 mm to 300 mm	7.5 μ m	
L.C.: 0.01mm	300 mm to 600 mm	7.5 μ m	Using Slip Gauges M10 & Length Bar. By Comparison method
L.C.: 0.01mm	600 mm to 1000 mm	10.9 μ m	Using Slip Gauges M10 & Length Bar. By Comparison method
2. VERNIER CALIPER^s (MECH./DIAL/DIGITAL)			
L.C.: 0.01mm	0 to 300 mm	11.2 μ m	Using Caliper Checker & Length Bars. By Comparison method
L.C.: 0.02 mm	0 to 600 mm	17.0 μ m	Using Caliper Checker & Length Bars. By Comparison method
L.C.: 0.02 mm	600 mm to 1000 mm	17.1 μ m	Using Length Bars. By Comparison method
3. DIAL GAUGE^s (PLUNGER TYPE)			
L.C.: 0.001mm	Upto 10 mm	4.3 μ m	Using Electronic Dial Calibration Tester. By Comparison method
L.C.: 0.01mm	Upto 25 mm	5.2 μ m	
4. DIAL GAUGE^s (LEVER TYPE)			
L.C.: 0.001mm	0 to 0.2 mm	4.1 μ m	Using Electronic Dial Calibration Tester. By Comparison method
L.C.: 0.01mm	0 to 0.8 mm	4.5 μ m	

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 Program Manager

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5.	BORE GAUGE[§]	Upto 1 mm Transmission only	5.0 μ m	Using Electronic Dial Calibration Tester & Dial Gauge. By Comparison method
6.	HEIGHT GAUGE[§] (VERNIER/DIAL/DIGITAL) L.C.: 0.01mm^Φ	0 to 600 mm	12.2 μ m	Using Caliper Checker & Lever Dial. By Comparison method
7.	DEPTH MICROMETER[§] L.C.: 0.001mm	0 to 100 mm	2.83 μ m	Using Depth checker. By Comparison Method
	L.C.: 0.01mm	0 to 300 mm	7.7 μ m	Using Slip Gauges, Length Bars & Depth Checker. By Comparison Method.
8.	DIAL THICKNESS[§] GAUGE L.C.: 0.001mm L.C.: 0.01 mm^Φ	0 to 10 mm 0 to 25 mm	1.2 μ m 7.0 μ m	Using Slip Gauges, By Comparison Method
9.	INSIDE MICROMETER[§] L.C.: 0.01mm	50 mm to 100 mm 100 mm to 1000 mm	7.7 μ m 11.0 μ m	Using Slip Gauges/Length Bars Parallel Jaws & Slip Gauge Accessories Set. By Comparison Method.
10.	FEELER GAUGE SET[§]	Upto 1 mm	2.7 μ m	Using Digital Micrometer. By Comparison Method.
11.	SETTING ROD[§]	Upto 300 mm Above 300 mm to 500 mm	3.8 μ m 4.9 μ m	Using Comparator Stand & Length Bar. By Comparison Method

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12.	SNAP GAUGE^{\$}	Upto 100 mm	1.4 μ m	Using Slip Gauge. By Comparison Method
13.	BEVEL PROTRACTOR^{\$} L. C. : 5 min	90°	4 min	Using Angle Gauges. By Comparison Method
14.	VERNIER DEPTH GAUGE^{\$} (MECHANICAL /DIAL/ DIGITAL) L. C. : 0.01 mm^Ø	0 to 300 mm	7.7 μ m	Using Slip Gauges, Length Bars & Depth Checker. By Comparison Method
15.	THREAD PLUG GAUGE^{\$} (EFFECTIVE DIA)	Upto 25 mm Above 25 mm to 50 mm	3.0 μ m 4.0 μ m	Using Digital Micrometer & 3 Wire Set. By Comparison Method
16.	STEEL SCALE^{\$} L. C. : 0.5 mm	0 to 1000 mm	20 μ m	Using Scale & Tape Tester. By Comparison Method
17.	MEASURING TAPE^{\$} L. C. : 0.1 mm	0 to 1500 mm	115.1 μ m	Using Scale & Tape Tester. By Comparison Method
18.	PLAIN PLUG GAUGE^{\$}	Upto 100 mm	3.1 μ m	Using Slip Gauges, Length Bars & Comparator Stand. By Comparison method.

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II. PRESSURE			
1. PRESSURE GAUGE[#] (HYDRAULIC)	0 to 300 kg/cm ²	1kg/cm ²	Using Digital Pressure Gauge By Comparison Method

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

^{\$} only for Permanent Laboratory

[#] The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

^o Laboratory can also calibrate instruments/devices of coarser resolution / least count within the accredited range using same reference standard/ master equipment under the scope of accreditation.