

Laboratory Microvision Calibration Services India Pvt. Ltd., "Darves Apartment",
Flat No. 403, 169 & 170, Kangar Layout, Wanadongri, Tal:- Hingna,
Dist. Nagpur, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2692 (in lieu of C-1387)

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Validity 30.05.2018 to 29.05.2020

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
1.	DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)			
1.	Internal Micrometer ^s L.C.: 0.01 mm (Extension Rod) Up to 400 mm	Up to 100 mm	6.5 μ m	T.C. Slip Gauge Set M46/1, Steel Long Slip Gauge & Accessories by Comparison Method
2.	External Micrometer ^s L.C.: 0.01 mm	Up to 150 mm	6.4 μ m	T.C. Slip Gauge Set M46/1 Steel Long Slip Gauge by Comparison Method
3.	Digital External Micrometer ^s L.C.: 0.001 mm	Up to 50 mm	2.0 μ m	T.C. Slip Gauge Set M46/1 by Comparison Method
4.	Caliper ^s (Vernier / Dial) L.C.: 0.02 mm	Up to 600 mm	17.3 μ m	T.C. Slip Gauge Set M46/1 Steel Long Slip Gauge by Comparison Method
5.	Digital Caliper ^s L.C.: 0.01 mm	Up to 300 mm	13.0 μ m	T.C. Slip Gauge Set M46/1 Steel Long Slip Gauge by Comparison Method
6.	Height Gauge ^s L.C.: 0.01 mm	Up to 600 mm	17.0 μ m	T.C. Slip Gauge Set M46/1 Steel Long Slip Gauge by Comparison Method

Dheeraj Chawla
Convenor

Avijit Das
Program Director

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7.	Dial Indicator (Lever) [§] L.C.: 0.01 mm L.C.: 0.001 mm	0 to 1.6 mm 0 to 0.14 mm	3.9 μ m 2.7 μ m	Using Dial Calibration Tester by Comparison Method
8.	Dial Indicator (Plunger) [§] L.C.: 0.001 mm L.C.: 0.01 mm	0 to 1 mm 0 to 25 mm	2.5 μ m 3.8 μ m	Using Dial Calibration Tester by Comparison Method
9.	Dial Bore Gauge Transmission (Error) [§]	Travel 1 mm	2.5 μ m	Using Dial Calibration Tester by Comparison Method
10.	Dial Thickness Gauge [§] L.C.: 0.001 mm L.C.: 0.01 mm	0 to 1 mm 0 to 10 mm	2.0 μ m 5.9 μ m	T.C. Slip Gauge set M46/1 by Comparison Method
11.	Plain Plug Gauge/ Paddle Gauge/ OD Master [§]	Up to 100 mm	2.6 μ m	T.C. Slip Gauge set M46/1, Dial Comparator & Comparator Stand by Comparison Method
12.	Snap Gauge	3 mm to 100 mm	2.1 μ m	T.C. Slip Gauge set M46/1 by Comparison Method
II.	PRESSURE INDICATING DEVICES			
1.	Vacuum Gauge (Pneumatic)	0 to (-) 0.8 bar	(-) 0.014 bar	Using Digital Pressure Gauge with pump by Comparison Method DKD-R6-1

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2.	Pressure Gauge (Pneumatic)	0 to 20 bar	0.29 bar	Using Digital Pressure Gauge with calibrator by Comparison Method DKD-R6-1
3.	Pressure Gauge (Hydraulic)	0 to 600 bar	1.9 bar	Using Digital Pressure Gauge with calibrator by Comparison Method DKD-R6-1

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

§ Only in Permanent Laboratory

* Only for Site Calibration

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

Ⓟ 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.

** Relative accuracy error has not been considered for CMC estimation.

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