



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Prism Calibration Centre, F-101, 101 A, TF-94-98, Rudraksh Complex-II, Jashoda Nagar Cross Roads, Phase -III, GIDC, Vatva, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2480 (In lieu of C-0984, C-1039, C-1040) **Page** 5 of 14

Validity 26.11.2017 to 25.11.2019 **Last Amended on** 06.12.2017

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
I.	DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)			
1.	Caliper - Vernier / Dial / Electronic ^s L.C. : 10 μ m	0 to 600mm	14 μ m	Using Caliper Checker, Gauge Block Set & Length Bar
2.	External Micrometer ^s L.C. : 1 μ m	0 to 100 mm 100 mm to 300 mm	1.3 μ m 3.8 μ m	Using Mick Check Set & Gauge Block
3.	Height Gauge (Vernier /Dial/Digital) ^s L.C. : 10 μ m	0 to 600 mm	13.6 μ m	Using Caliper Checker & Length Bar
4.	Dial Comparator ^s L.C. : 1 μ m	\pm 0.050 mm	1.2 μ m	Using ULM
5.	Plunger Type Dial Gauge ^s L.C. : 1 μ m	upto 50	1.3 μ m	Using ULM
6.	Lever Type Dial Gauge ^s L.C. : 1 μ m	0 to 1.0 mm	1.3 μ m	Using ULM by Direct Measurement as per IS 11498


Mohit Kaushik
Convenor


Avijit Das
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7.	Dial Bore Gauge ^s (for transmission mechanism)	Upto 1 mm	2.4 μ m	Using ULM
8.	Foils ^s	0.003mm to 12 mm	1.2 μ m	Using ULM
9.	Measuring Scale / Taper Scale ^s	0 to 1000 mm	134 μ m	Using Tape and Scale
10.	Measuring Tape/ Pie Tape ^s	Upto 50 meter	134xvL μ m L in meter	Using Tape and Scale Calibrator
11.	Snap Gauge ^s	8 mm to 150 mm	2.3 μ m	Using ULM & Master Ring
12.	Feeler Gauge ^s	Upto 1 mm	1.2 μ m	Using ULM
13.	Spirit level ^s LC 0.01 mm/m	L.C. 0.01 mm/m	6.6 μ m/m	Using Electronic Level
14.	Micrometer setting Rod ^s	25 to 275 mm	3.3 μ m	Using ULM, slip Gauges & Length Bar
15.	Internal Micrometer (Two Point) ^s L.C. 10 μ m	Head 25 to 32 mm & 50 to 63 mm	3.0 μ m	Using ULM & Long slip Gauge
		Overall Length with Extension rod up to 10 to 250 mm	4.4 μ m	
16.	Dial Thickness Gauge ^s L.C. 1 μ m	up to 25 mm	1.5 μ m	Using Gauge Block Set


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17.	Pistol Caliper ^s L.C. 50 μ m	up to 100 mm	29.3 μ m	Using Slip Gauge Set
18.	Plain Ring Gauge ^s	4 mm to 150 mm	2.4 μ m	Using ULM & Master Ring
19.	Test Sieve ^s	5 mm to 125 mm	28 μ m	Using Digital Vernier caliper
20.	Thread Plug Gauge Effective Diameter, Major Diameter ^s	3mm to 150 mm	2.2 μ m 3.2 μ m	Using ULM & Thread Measuring Wires, Gauge block
21.	Thread Ring Gauge Effective Diameter, Minor Diameter ^s	4 mm to 100 mm	2.2 μ m 2.1 μ m	Using ULM & Master Ring
22.	Ultrasonic Thickness Gauge ^s	up to 300 mm	71 μ m	Using Slip Gauge Set
23.	Plain Plug Gauge ^s	3 mm to 100 mm 100 mm to 280 mm	1.6 μ m 2.9 μ m	Using ULM, Gauge Block Set
24.	Cylindrical Measuring Pin ^s	0.1 mm to 20 mm	2.0 μ m	Using ULM
25.	Coating Thickness Gauge ^s L.C. 0.001mm	0 to 1 mm	2.8 μ m	Using Master Foil
26.	Surface Plate [*]	2000 mm x 2000 mm	1.0 $\sqrt{L+W}$ /125 μ m where L & W in mm	Using Electronic Level

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