



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name PRISM CALIBRATION CENTRE, GF-101,F/101,101 A,B, TF-85 TO101 RUDRAKSH COMPLEX-II,, AHMEDABAD, --SELECT DISTRICT--, GUJARAT , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2480 Page No. : 11 / 60

Validity 26/11/2019 to 25/11/2021 Last Amended on 05/12/2019

S.No	Discipline / Group	Quantity Measured/ Instrument	Range / Frequency	* Calibration Measurement Capability(±)	Remarks
69	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper (Vernier / Dial / Digital) L.C.10µm	up to 600 mm	14.2µm	Caliper Checker; Gauge Block Set & Length Bar , Comparison IS 3651
70	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge L.C: 0.001 mm	up to 1 mm	3.7µm	Using Master Foil
71	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Measuring Pin	0.1 mm to 20 mm	2.0µm	Using ULM IS:11103
72	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Gauge(Dial, Digital, VernierL.C. 0.02 mm	up to 150 mm	14.0µm	Using Slip Gauge Set, Holding Fixture and Surface Plate
73	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial /Digital Gauge (Plunger Type) L.C. 1 µm	up to 50 mm	1.4µm	ULM Comparison IS 2092
74	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Bore Gauge (Transmission Mechanism)	up to 1 mmTransmission	3.2µm	ULM JIS B 7515



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75	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Comparator L.C -1 µm	up to 0.050 mm	1.2um	using ULM
76	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge (Lever Type) L.C. 1 µm	up to 1 mm	1.3um	ULM Comparison IS 11498
77	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial/DigitalThickness gaugeL.C. 1 µm	up to 25 mm	0.7um	Gauge Block set
78	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Digital Angle Measuring Instrument/Bevel Protractor/Combination Set(L.C:- 5")	0 ° to 90 ° (4 Quadrant)	87Sec	Using Angle Gauge Block By Comparison Method
79	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer L.C.1µm	100 mm to 300 mm	3.7um	Mick Check Set & Gauge Block Comparison IS 2967
80	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer L.C.1µm	up to 100 mm	1.4um	Mick Check Set & Gauge Block Comparison IS 2967



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81	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	up to 1 mm	1.4um	ULM Comparison IS 3179
82	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Foils	0.003 mm to 12 mm	1.4um	using ULM
83	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge (Vernier / Dial / Digital) L.C. 10µm	up to 600 mm	15.6um	Caliper Checker & Length Bar Comparison IS 2921
84	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer 2-points Travel of Micrometer Head L.C. 0.01 mm	25 mm to 32 mm	3.4um	ULM & Long Slip Gauge Comparison IS 2966
85	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer 2-points Basic Travel of Micrometer Head L.C. 10µm	50 mm to 63 mm	3.4um	ULM & Long Slip Gauge Comparison IS 2966
86	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer 2-points Travel of Micrometer Head with Extension Rod (Interchangeable) L.C. 0.01 mm	10 mm to 250 mm	4.4um	ULM & Long Slip Gauge Comparison IS 2966



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87	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale/ Taper Scale	up to 1000 mm	290um	Using Tape and Scale IS:1481
88	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Tape/ Pie Tape	up to 50 meter	290 * sqrt (L)um , where L is in metre	Using Tape and Scale Calibrator IS:1269
89	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper L.C: 50 μ m	up to 100 mm	29.3um	Using Slip Gauge Set
90	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	3 mm to 100 mm	2.3um	ULM & Gauge Block Comparison IS 3455
91	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	100 mm to 280 mm	3.5um	ULM & Gauge Block Comparison IS 3455
92	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge	4 mm to 150 mm	2.4um	ULM & Master Ring Comparison IS 3455 , IS 7876



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93	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Setting Rods	25 mm to 275 mm	3.8um	ULM & Long Slip Gauge
94	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge	8 mm to 150 mm	2.8um	ULM & Master Ring IS 7876
95	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spirit Level L.C: 0.01 mm/m	0.01 mm/m	11.2um	Using Electronic Level IS: 5706
96	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate	up to 2000 x 2000 mm	3.5((L+W)/125) um where L and W is in mm	Using Electronic Level IS: 2285
97	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve	5 mm to 125 mm	28um	Using Digital Vernier Caliper IS: 460 (Part I,II,III)
98	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge Effective Diameter	3 mm to 150 mm	2.9um	ULM & Thread Measuring Wires, Gauge Block IS 10685, EURAMETcg10/V.01



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99	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge - Major Diameter	3 mm to 150 mm	3.5µm	ULM & Thread Measuring Wires, Gauge Block IS 10685, EURAMET CG10/V-01
100	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge Effective Diameter Minor Diameter	4 mm to 100 mm	,2.7µm	ULM & Master Ring Comparison IS 2334 ,EURAMET CG10/V-01
101	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ultrasonic Thickness Gauge	up to 300 mm	79µm	Using Slip Gauge Set
102	MECHANICAL-DUROMETER	Shore Hardness Tester	0 Shore to 100 Shore	1.5% to 1.5%	Using Dial Calibration Tester
103	MECHANICAL-PRESSURE INDICATING DEVICES	Low Pressure/Vacuum Gauge, Transmitter, Switch (Analog/Digital)	0 mbar to 24.50 mbar	0.083mbar	Using Digital Pressure Calibrator/Digital Manometer & Low Pressure Pump as Per DKD R6-01
104	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge/ Pressure Switch/ Pressure Transmitter (Analog/Digital)	2 bar to 20 bar	0.024bar	Using Digital Pressure Gauge & Pneumatic Pressure Pump & Digital Multi meter as per DKD R6-01
105	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge/ Pressure Switch/ Pressure Transmitter (Analog/Digital)	700 bar to 1000 bar	0.9bar	Using Digital Pressure Calibrator & Hydraulic Pressure Pump & Digital Multi meter as per DKD R6-01 IS:3624