



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. : 16 / 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
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



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106	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge/ Pressure Switch/ Pressure Transmitter (Analog/Digital)	0 bar to 2 bar	0.0055bar	Using Digital Pressure Gauge & Pneumatic Pressure Pump & Digital Multi meter as per DKD R6-01
107	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge/ Pressure Switch/ Pressure Transmitter (Analog/Digital)	20 bar to 340 bar	0.18bar	Using Digital Pressure Calibrator & Hydraulic Pressure Pump & Digital Multi meter as per DKD R6-01
108	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauge/ Switch / Transmitter (Analog/ Digital)	-0.9 bar to 0 bar	0.0011bar	Using Digital Vacuum Gauge & Vacuum pump & Digital Multi meter as per DKD R6-02 ISO 3567
109	MECHANICAL-TORQUE GENERATING DEVICES	Torque Tools of Type 1 and 2 Of Type 1 Class B,C,D & E Type 2 Class A,B,D,E	2 Nm to 20 Nm	1.86%	Using Three Calibrated Torque Transducer of 20,200 and 2000 N.m Capacity Along with peak holding facility digital indicator in torque wrench calibrating machine , ISO 6789-2003
110	MECHANICAL-TORQUE GENERATING DEVICES	Torque Tools of Type 1 and 2 Of Type 1 Class B,C,D & E Type 2 Class A,B,D,E	20 Nm to 200 Nm	1.08%	Using Three Calibrated Torque Transducer of 20,200 and 2000 N.m Capacity Along with peak holding facility digital indicator in torque wrench calibrating machine , ISO 6789-2003