National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : UNIK GAUGES & TOOLS CALIBRATION LABORATORY, SURVEY NO: 36/1/1, WADGOAN KHURD, SINHAGAD ROAD, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2602 **Page No** 1 of 4

Validity 13/03/2025 to 12/03/2029 **Last Amended on** 15/03/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper (Vernier/Dial/Digital) L.C: 0.01 mm	Using Caliper Checker by Comparison method	0 to 600 mm	15 µm
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Cylindrical Measuring Pins (Diameter)	Using Reference Gauge blocks on Comparator stand with Electronic probe and DRO by Comparison method	0.1 mm to 20 mm	1.3 µm
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer L.C: 0.001 mm	Using Slip Gauge Blocks by Comparison method	Up to 150 mm	1.6 µm
4	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standards	Using Reference Gauge blocks on Comparator stand with Electronic probe and DRO by Comparison method	25 mm to 150 mm	1.5 µm
5	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauges/ Setting Plug Gauge/Width Gauge (Diameter/Width)	Using Reference Gauge blocks on Comparator stand with Electronic probe and DRO by Comparison method	100 mm to 200 mm	1.7 µm
6	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauges/Setting Plug Gauge/Width Gauge (Diameter/Width)	Using Reference Gauge blocks on Comparator stand with Electronic probe and DRO by Comparison method	Up to 100 mm	1.4 µm

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7	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauges/ Setting Ring Gauges (Diameter)	Using Reference Master Ring Gauge and Length Measuring machine by Comparison method	3 mm to 300 mm	1.9 µm
8	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Snap Gauges/ Gap gauges	Using Gauge Blocks by Comparison method	2 mm to 200 mm	1.5 µm
9	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Taper Plug Gauge (Angle)	Using Cylindrical Setting Master and Length Measuring Machine by Comparison method	0° to 9°	48 s
10	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Taper Plug Gauge (Diameter)	Using Cylindrical Setting Master and Length Measuring Machine by Comparison method	Up to 200 mm	3.5 µm
11	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Taper Ring Gauge (Angle)	Using Reference Master Ring Gauge on Length Measuring machine by Comparison method	0° to 9°	46 s
12	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Taper Ring Gauge (Diameter)	Using Reference Master Ring Gauge on Length Measuring machine by Comparison method	3 mm to 200 mm	1.9 µm

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13	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Thread Plug Gauge /W.C.P (Effective Diameter)	Using Cylindrical Setting Masters, Electronic FCDMM and Thread Measuring Wire by Comparison method	5 mm to 168 mm	3.8 µm
14	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Thread Ring Gauges/W.C.R. (Effective Diameter)	Using Reference Master Ring Gauge on Length Measuring machine by Comparison method	5 mm to 166 mm	2.2 µm
15	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Measuring Wires (Diameter)	Using Reference Gauge blocks on Comparator stand with Electronic probe and DRO by Comparison method	0.17 mm to 6.35 mm	1.3 µm
16	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge/W.C.P (Effective Diameter)	Using Electronic FCDMM, Cylindrical Setting Masters and Thread Measuring Wire by Comparison method	1 mm to 175 mm	3.8 µm
17	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge/W.C.P (Effective Diameter)	Using Cylindrical Setting Masters, Length Measuring Machine and Thread Measuring Wire by Comparison method	175 mm to 250 mm	3.4 µm
18	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge/W.C.R. (Effective Diameter)	Using Reference Master Ring Gauge on Length Measuring machine by Comparison method	3 mm to 300 mm	2.1 µm

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*** CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.**