

Laboratory Insize Calibration Services, C-5, Jayraj Complex, Soni ni Chwali, Odhav, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2897 **Page** 1 of 5

Validity 03.12.2018 to 02.12.2020 **Last Amended on** -

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
I.	DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)			
1.	Measuring Pin ^s	0.2 mm to 20 mm	1.6 μ m	Using Electronic Comparator
2.	Micrometer Setting Standard ^s	25 mm to 275 mm 275 mm to 500 mm	3.5 μ m 6.5 μ m	Using Gauge Block Set/ Electronic Probe with DRO
3.	Thickness Foils ^s	0.001 mm to 2 mm	1.9 μ m	Using Electronic Comparator
4.	Feeler Gauge ^s	0.05 mm to 1 mm	1.8 μ m	Using Electronic Comparator
5.	Snap Gauge ^s	3 mm to 200 mm	3.5 μ m	Using Gauge Block Set
6.	Plain Plug/ OD Master/Width Gauge/ Height Master ^s	1 mm to 100 mm 100 mm to 200 mm	2.3 μ m 3.5 μ m	Using Gauge Block Set, & Electronic Comparator
8.	Thread Plug Gauge ^s (Only Effective Dia.)	1 mm to 100 mm	4.5 μ m	Using Digital FCDM; Cylindrical Setting Master & Thread Measuring Wire

Shally Sharma
Convenor

Avijit Das
Program Manager

Laboratory Insize Calibration Services, C-5, Jayraj Complex, Soni ni Chwali, Odhav, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2897 **Page** 2 of 5

Validity 03.12.2018 to 02.12.2020 **Last Amended on** -

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
9.	Taper Thread Plug Gauge [§] (Only Effective Dia.)	3 mm to 100 mm	5.0 μ m	Using Digital FCDM; Cylindrical Setting Master & Thread Measuring Wire
10.	Calipers [§] (Vernier/Dial/Digital) L.C.: 0.01 mm	0 to 600 mm 0 to 1000 mm	13.4 μ m 11.1 μ m	Using Caliper Checker & Long Gauge Block Set
11.	Height Gauge [§] (Vernier/Dial/Digital) L.C.: 0.01 mm	0 to 600 mm 0 to 1000 mm	12.2 μ m 13.0 μ m	Using Caliper Checker & Long Gauge Block Set Surface Plate
12.	Depth Gauge [§] (Vernier/Dial/Digital) L.C.: 0.01 mm	0 to 600 mm	15.1 μ m	Using Slip Gauge Set, Long Gauge Block, Surface Plate
13.	External Micrometer [§] L.C.: 0.001 mm	0 to 100 mm 100 mm to 300 mm 300 mm to 500 mm	1.2 μ m 3.0 μ m 5.0 μ m	Using Slip Block Set
14.	Depth Micrometer [§] L.C.: 0.001	0 to 300 mm	5.0 μ m	Using Depth Micro- Checker, Surface Plate
15.	Comparator With Stand [§] (Flatness of Base)	200 mm x 200 mm	5.0 μ m	Using Gauge Block Set & Electronic Probe

Shally Sharma
Convenor

Avijit Das
Program Manager

Laboratory Insize Calibration Services, C-5, Jayraj Complex, Soni ni Chwali,
Odhav, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2897

Page

3 of 5

Validity 03.12.2018 to 02.12.2020

Last Amended on -

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
16.	Plunger Dial Gauge [§] L.C.: 0.001 mm	Up to 25 mm Up to 50 mm	2.3 μ m 3.5 μ m	Using Electronic Dial Calibration Tester
17.	Lever Dial Gauge [§] L.C.: 0.01 mm L.C.: 0.002 mm L.C.: 0.001 mm	0 to 1 mm 0 to 0.2 mm Up to 0.14 mm	3.7 μ m 2.1 μ m 2.1 μ m	Using Electronic Dial Calibration Tester
18.	Bore Gauge (Transmission Error) L.C.: 0.001 mm	Up to 1 mm	5.1 μ m	Using Dial Calibration Tester
19.	Three Point Micrometer [§] L.C.: 0.001 mm	Φ 6 mm to 100 mm	4.2 μ m	Using Master Setting Rings
20.	Electronic Probe [§] L.C. 0.0001 mm	0 to 25 mm	1.5 μ m	Using Gauge Block Set
21.	Dial Snap Gauge (Parallelism of Anvil faces) [§] L.C 0.0001 mm	Up to 200	3.2 μ m	Using Gauge Block Set
22.	Dial Thickness Gauge [§] L.C.: 0.001 mm L.C.: 0.01 mm	Up to 10 mm Up to 30 mm	1.1 μ m 5.7 μ m	Using Gauge Block Set

Shally Sharma
Convenor

Avijit Das
Program Manager

Laboratory Insize Calibration Services, C-5, Jayraj Complex, Soni ni Chwali, Odhav, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2897 **Page** 4 of 5

Validity 03.12.2018 to 02.12.2020 **Last Amended on** -

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
23.	Pistol Caliper [§] L.C.: 0.1 mm	Up to 50 mm	69 μ m	Using Gauge Block Set
24.	Radius Gauge Set [§]	1 mm to 25 mm	14.5 μ m	Using Profile Projector
25.	Thread Pitch Gauge [§]	0.3 mm to 7 mm 55°, 60°	15.0 μ m 8 Min	Using Profile Projector
26.	Coating Thickness Gauge [§] L.C.: 0.001 mm	Up to 2 mm	12.0 μ m	Using Thickness Foils
27.	Ultrasonic Thickness Gauge [§] L.C.: 0.1 mm	0 to 200 mm	116 μ m	Using Height Blocks
28.	Bevel Protector [§] L.C.: 5 min.	0° - 90° - 0°	5.7 min	Using Angle Gauge Block & Surface Plate
29.	Combination Set / Angle Protractor [§] L.C.: 1°	0° - 90° - 0°	42.2 min	Using Angle Gauge Block & Surface Plate
30.	Surface Plate [*]	2000 mm x 2000 mm	$1.95 \sqrt{\frac{L+W}{100}}$ Where L & W is in mm	Using Electronic Level

Shally Sharma
Convenor

Avijit Das
Program Manager

Laboratory Insize Calibration Services, C-5, Jayraj Complex, Soni ni Chwali,
Odhav, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2897 Page 5 of 5

Validity 03.12.2018 to 02.12.2020 Last Amended on -

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
II.	DIMENSION (PRECISION INSTRUMENTS)			
1.	Profile Projector * Linear Scale L.C.: 0.0005 mm Angular Scale L.C.: 1 sec. Magnification	Up to 200 mm Up to 360° 10 X to 50 X	5.6 μ m 3.0 min 0.05 %	Using Slip Gauge Set, Angle Gauge Block, Digital Caliper

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

\$ Only in Permanent Laboratory

*Only for Site Calibration

Shally Sharma
Convenor

Avijit Das
Program Manager