

Laboratory

Akaash Instrument & Gauges India, Plot No. 41, Sri Sai Complex,
Maruthi Nagar 4th Cross, Dharga, Hosur, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

CC-2518

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Validity

03.01.2018 to 02.01.2020

Last Amended on --

Sl.	Quantity Measured / Instrument	Range/Frequency	Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
1.	DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)			
1.	Cylindrical Measuring Pin	Up to 20 mm	3.3 mm	Using Grade '0' Gauge Block Sets & Dial Comparator Stand by Comparison Method
2.	Thread Measuring Wire	Up to 6.35 mm	3.3 mm	Using Grade '0' Gauge Block Sets & Dial Comparator Stand by Comparison Method
3.	Micrometer Setting Rod / Length Bar	Up to 150 mm	2.5 mm	Using Grade '0' Gauge Block Sets & Dial Comparator Stand by Comparison Method
4.	Flush Pin Gauge For Height Difference of Male & Female	Up to 150 mm	4.0 mm	Using Grade '0' Gauge Block Sets & Dial Comparator Stand by Comparison Method
5.	Feeler Gauge	Up to 2.0 mm	3.0 mm	Using Digital Micrometer by Comparison Method
6.	Thread Plug Gauge	4 mm to 100 mm	5.0 mm	Using FCDM & Thread Measuring Wires by Comparison Method
7.	Plain Plug Gauge	Up to 150 mm	3.5 mm	Using Grade '0' Gauge Block Sets & Dial Comparator Stand by Comparison Method

Vishal Shukla
Convenor

Avijit Das
Program Director

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
8.	Snap Gauge / Dial Snap Gauge	Up to 200 mm	2.1 mm	Using Grade '0' Gauge Block Sets by Comparison Method
9.	Calipers (Vernier / Dial / Digital) L.C : 0.01 mm	0 to 600 mm	17.0 mm	Using Caliper Checker & External Micrometer by Comparison Method
10.	Depth Vernier (Vernier / Dial / Digital) L.C : 0.01 mm	0 to 200 mm	17.0 mm	Using Grade '0' Gauge Block Sets & Surface Plate by Comparison Method
11.	Height Gauge (Vernier / Dial / Digital) L.C : 0.01 mm	0 to 600 mm	17.0 mm	Using Caliper Checker & Surface Plate by Comparison Method
12.	External Micrometer (Analog / Dial / Digital) L.C : 0.001 mm L.C : 0.01 mm	Up to 100 mm Up to 150 mm	2.2 mm 6.0 mm	Using Grade '0' Gauge Block Sets by Comparison Method
13.	Depth Micrometer L.C : 0.01 mm	Up to 100 mm	7.20 mm	Using Grade '0' Gauge Block Sets & Surface Plate by Comparison Method
14.	Plunger Dial Gauge L.C : 0.001 mm	Up to 25 mm	2.3 mm	Using Dial Calibration Tester by Comparison Method

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
15.	Lever Dial Gauge L.C : 0.001 mm	Up to 0.14 mm	3.3 mm	Using Dial Claibration Tester by Comparison Method
16.	Dial Bore Gauge (Transmission Movement Only) (0 to 1 mm) L.C : 0.001 mm	Up to 2 mm	4.1 mm	Using Dial Calibration Tester by Comparison Method
17.	Dial Thickness Gauge L.C : 0.001 mm	Up to 50 mm	6.0 mm	Using Grade '0' Gauge Block Sets by Comparison Method

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

§ Only in Permanent Laboratory

^ Only for Site Calibration

The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

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