

Laboratory CITCO-IDFC Calibration Laboratory, Plot No: 182/40-42, Industrial Area, Phase-1, Chandigarh
Accreditation Standard ISO/IEC 17025: 2005
Certificate Number CC-2520 **Page** 1 of 2
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.	Vernier Caliper/ Dial Digimatic ^{\$} L.C.: 0.01mm	0 to 600 mm	15.3 μ m	Using Slip Gauges & Caliper Checker
2.	External Micrometer ^{\$} L.C.: 0.001mm L.C.: 0.01mm	0 to 25mm >25 mm to 150 mm 0 to 300 mm	1.1 μ m 2.5 μ m 7.4 μ m	Using Slip Gauges & Long Slip Gauge Block
3.	Height Gauge ^{\$} L.C.: 0.01mm	0 to 600 mm	12.0 μ m	Using Caliper Checker Surface Plate
4.	Plunger Type Dial Gauge ^{\$} L.C.: 0.001mm	0 to 25 mm	2.95 μ m	By Single Axis Machine
5.	Lever Type Dial Gauge ^{\$} L.C.: 0.001mm	0 to 1 mm	2.8 μ m	By Single Axis Machine
6.	Dial Bore Gauge ^{\$} (Transmission movement Only)	Stroke Length Up to 1 mm	2.8 μ m	By Single Axis Machine
7.	Depth Micrometer ^{\$} L.C.: 0.01mm	0 to 300 mm	16.2 μ m	By Depth checker
8.	Depth Caliper ^{\$} L.C.: 0.02mm	0 to 300 mm	16.2 μ m	By Depth checker

Rajeshwar Kumar
Convenor

Avijit Das
Program Director

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9.	Snap Gauge [§]	5 mm to 100 mm	2.0 μ m	By Slip Gauges
10.	Thread Plug Gauge [§] (P.C.D & Major Dia only)	\varnothing 2 mm to \varnothing 100 mm	3.5 μ m	By Single Axis m/c
11.	Thread Ring Gauge [§] (P.C.D only)	\varnothing 5 mm to \varnothing 100 mm	3.3 μ m	By Single Axis m/c
12.	Plain Ring Gauge [§]	\varnothing 5 mm to \varnothing 100 mm	3.2 μ m	By Single Axis m/c
13.	Plain Plug Gauge [§]	\varnothing 5 mm to \varnothing 100 mm	3.2 μ m	By Single Axis m/c
14.	Measuring Pin [§]	\varnothing 0.1 mm to \varnothing 20 mm	3.0 μ m	By Single Axis m/c
15.	Feeler Gauge [§]	0.03 mm to 1 mm	2.9 μ m	By Single Axis m/c
16.	Three Wire Unit [§] (Thread Measuring Wires)	0.17 mm to 3.2 mm	3.0 μ m	By Single Axis m/c
17.	Shims [§]	0.010 mm to 3 mm	3.0 μ m	By Single Axis m/c
18.	Coating Thickness Gauge [§]	0.054 mm to 1 mm	3.0 μ m	By Shims
II.	PRESSURE INDICATING DEVICES			
1.	Pressure Gauge [§] (Digital / Analogue)	0 to 650 bar	8.12 bar	Using Digital Pressure Gauge

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

[§]Only in Permanent Laboratory

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