Laboratory	**Uni-Tech Testing and Calibration, Plot No. 28, Sector-3, HSIIDC, Industrial Area, Karnal, Haryana**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Discipline	**Mechanical Calibration**	**Issue Date**	**01.06.2015**
Certificate Number	**C-1220**	**Valid Until**	**31.05.2017**
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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
I. DIMENSION			
1. Dial/ Digimatic/ Vernier Caliper $ L.C. 0.01 mm Φ	0 to 150 mm 0 to 300 mm 0 to 600 mm	13.0 µm 14.0 µm 15.0 µm	Using '0' Grade Slip Gauge set & Caliper checker by Calculation
2. External Micrometer $ L.C. 0.01 mm	0 to 25 mm 25 to 50 mm 50 to 75 mm 75 to 100 mm	8.4 µm 8.4 µm 8.6 µm 9.0 µm	Using '0' Grade Slip Gauge set by Calculation
3. Depth Micrometer $ L.C.:0.01 mm	Upto 100 mm	8.7 µm	Using '0' Grade Slip Gauge set & Granite Surface plate by Calculation
4. Height Gauge $ L.C.:0.01 mm Φ	0 to 300 mm 0 to 600 mm	14.0 µm 15.0 µm	Using '0' Grade Slip Gauge set & Caliper checker by Calculation
5. Snap Gauge $	0.5 to 100 mm	6.2 µm	Using '0' Grade Slip Gauge set by Comparison Method
6. Plain Plug Gauge $ (GO & NOGO)	Upto 100 mm	8.7 µm	Using Comparator Stand, Dial Gauge & '0' Grade Slip Gauge set by Comparison Method

Vishal Shukla
Convenor

Avijit Das
Program Manager

	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
7.	**Dial Indicator (Plunger Type) $** **L.C.:0.001 mm Φ**	0 to 10 mm	1.5 µm	Using '0' Grade Slip Gauge set & Comparator Stand by Calculation
8.	**Dial Indicator (Lever Type) $** **L.C.:0.01 mm** **L.C.:0.001 mm** **L.C.: 0.002 mm**	 0 to 0.80 mm 0 to 0.14 mm 0 to 0.20 mm	 8.0 µm 1.5 µm 5.6 µm	 Using '0' Grade Slip Gauge set & Comparator Stand by Calculation
9.	**Feeler Gauge $**	Upto 1 mm	5.4 µm	Using Comparator Stand & Dial Gauge by Calculation
10.	**Measuring Pin Set $**	Upto 100 mm	6.0 µm	Using '0' Grade Slip Gauge set, Comparator Stand & Dial Gauge by Comparison Method
11.	**Setting Rod $**	Upto 100 mm	6.5 µm	Using '0' Grade Slip Gauge set Comparator Stand & Dial Gauge by Comparison Method
12.	**Dial Thickness Gauge $** **L.C.:0.01 mm**	Upto 100 mm	8.5 µm	Using '0' Grade Slip Gauge by Comparison Method
13.	**Try Square (Squareness) $**	0 to 300 mm	22.0 µm	Using lever Dial Gauge, height Gauge & Granite Surface plate by - Comparison Method

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
II. PRESSURE			
1. Hydraulic Dial Pressure Gauges, Digital Pressure Gauges Pressure Transducers/ Transmitters [$]	1 kg/cm^2 to 50 kg/cm^2 50 kg/cm^2 to 600 kg/cm^2	0.25 % of rdg 0.20 % of rdg	Using Dead Weight Pressure Tester DW-34 - INC By Comparison Method

*** Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%**
[$]Only in Permanent Laboratory
[Φ]Laboratory can also calibrate instruments/devices of coarser resolution / least count within the accredited range using same reference standard/ master equipment under the scope of accreditation.

Vishal Shukla
Convenor

Avijit Das
Program Manager