

sLaboratory Q-Tex Calibration Laboratory, C- 1, Block-C, Dayal Bagh, Faridabad, Haryana
Accreditation Standard ISO/IEC 17025: 2005
Discipline Mechanical Calibration **Issue Date** 21.07.2015
Certificate Number C-1243 **Valid Until** 20.07.2017
Last Amended on 11.09.2015 **Page** 1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. DIMENSION			
1. Dial Thickness Gauge \$ L.C : 0.01 mm Φ	Upto 100 mm	5 μ m	Using Slip Gauge
2. OD Micrometer \$ L.C. 0.001 mm Φ	0 to 25 mm 25 mm to 50 mm	2.0 μ m 3.0 μ m	Using Slip Gauge
3. Plain Plug Gauge \$	Upto 50 mm	4.0 μ m	Using Digital Micrometer
4. Snap Gauge \$	Upto 100 mm	4.0 μ m	Using Slip Gauge
5. Feeler Gauge \$	Upto 5 mm	4.0 μ m	Using Digital Micrometer
II. MASS			
1. Mass (Weight) \$	1 mg 2 mg 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg 1 g 2 g 5 g 10 g 20 g 50 g 100 g 200 g	0.03 mg 0.03 mg 0.03 mg 0.05 mg 0.05 mg 0.05 mg 0.05 mg 0.05 mg 0.05 mg 0.08 mg 0.08 mg 0.08 mg 0.1 mg 0.1 mg 0.1 mg 0.2 mg 0.5 mg	Using F1 Class Standard Weights and Weighing Balance as per OMIL-R-111-1-2004

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Convenor

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Program Manager

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
Mass (Weight) ^{\$}	500 g 1 kg 2 kg 5 kg 10 kg 20 kg 50 kg	7.49 mg 7.49 mg 1.0 g 2 g 4 g 5 g 10 g	Using F1 Class Standard Weights and Weighing Balance as per OMIL-R-111-1-2004
2. Weighing Balance [#] L.C : 0.01 mg L.C : 1 mg L.C: 10 mg, 0.1 gm	Upto 200 g 200 g to 1 kg 1 kg to 150	5.2 mg 0.28 g 5.72 g	Using Standard Weight OMIL-R-76-1: 2006
III. VOLUME			
1. Volume ^{\$} Measuring Cylinder, Pipette, Volumetric Flask, Beaker	1 ml to 50 ml 50 ml to 200 ml 200 ml to 1 liter	1.5 μ l 0.04 ml 1.10 ml	Using Standard Weighing Balance as per ISO 4787 : 2010
IV. ACCELERATION & SPEED			
1. Tachometer & RPM Meter [#] (Non Contact & contact)	10 RPM to 280 RPM	6.3 %	Using Digital Tachometer
V. PRESSURE			
1. Industrial Pressure Gauge (Hydraulic) [#]	0 to 700 kg/cm ²	1.2 % rdg	Using Digital Pressure Gauge & Hydraulic Oil base Comparator Pump

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

^{\$}Only in Permanent Laboratory

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

[®]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.

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