

Laboratory **Jaganaths Slip Gauges & Co., 28, Gurupada Halder Road, Kolkatta, West Bengal**

Accreditation Standard **ISO/IEC 17025:2005**

Discipline **Mechanical Calibration** **Issue Date** **02.01.2015**

Certificate Number **C-0392** **Valid Until** **01.01.2017**

Last Amended on **-** **Page** **1 of 3**

Quantity Measured / Instrument	Range/Frequency	* Calibration Measurement Capability (\pm)	Remarks
I. DIMENSION			
1. VERNIER HEIGHT GAUGE[§] L.C. : 0.01 mm^ϕ	Upto 600 mm 600 mm to 1000 mm	10.0 μ m 11.3 μ m	Using Slip Gauge '0' Grade, Long Slip Gauge Block, by Comparison Method
2. VERNIER DEPTH GAUGE[§] L.C. : 0.02 mm	Upto 300 mm 300 mm to 600 mm	16.5 μ m 18 μ m	Using Slip Gauge '0' Grade, Long Slip Gauge Block, Surface plate by Comparison Method
3. MICROMETER DEPTH GAUGE[§] L.C. : 0.01 mm	Upto 100 mm 100 mm to 300 mm	9.0 μ m 14.1 μ m	Using Slip Gauge '0' Grade, Long Slip Gauge Block, Surface plate by Comparison Method
4. OUTSIDE MICROMETER[§] L.C. : 0.001 mm^ϕ	Upto 25 mm 25 mm to 150 mm 150 mm to 300 mm	1.3 μ m 3.0 μ m 5.0 μ m	Using Slip Gauge '0' Grade, Long Slip Gauge Block, Surface plate by Comparison Method
L.C. : 0.01 mm	300 mm to 500 mm 500 mm to 1000 mm	8.6 μ m 13.8 μ m	Using Long Slip Gauge, Slip Gauge Set by Comparison Method
5. INSIDE MICROMETER[§] L.C. : 0.01 mm	50 mm to 500 mm 500 mm to 1000 mm	10.8 μ m 15.1 μ m	Using Long Slip Gauge, Dial Gauge, Comparator Stand by Comparison Method

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Program Manager

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Last Amended on	-	Page	2 of 3

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6. VERNIER CALIPER^{\$} L. C. : 0.01 mm ^Φ	Upto 300 mm	9.3 μ m	Using Long Slip Gauge, Slip Gauge Set by Comparison Method
	300 mm to 600 mm	11.4 μ m	
L. C. : 0.02 mm	600 mm to 1000 mm	25.7 μ m	
7. DIAL/ DIGIMATIC GAUGE^{\$} (Lever Type)			
L. C. : 0.001 mm	Upto 0.14 mm	2.0 μ m	Using Slip Gauge by Comparison Method
L. C. : 0.01 mm	Upto 1 mm	6.0 μ m	
8. FEELER GAUGE^{\$}	Upto 1 mm	6.0 μ m	Using Digital Micrometer by Comparison Method
9. MICROMETER SETTING ROD/ SETTING PIECE^{\$}	Upto 400 mm	12.0 μ m	Using Slip Gauge, Digital Dial Gauge by Comparison Method
	400 mm to 500 mm	17.0 μ m	
	500 mm to 800 mm	24.0 μ m	
	800 mm to 1000 mm	33.0 μ m	
10. PLAIN PLUG GAUGE^{\$}	Upto 25 mm	2.7 μ m	Using Slip Gauge, Digital Dial Gauge by Comparison Method
	25 mm to 50 mm	3.0 μ m	
	50 mm to 100 mm	4.0 μ m	
11. PLAIN RING GAUGE^{\$}	20 mm to 200 mm	2.5 μ m	Using Slip Gauge, Slip Gauge Accessories by Comparison Method
12. BORE DIAL GAUGE^{\$} (Transmission Movement)	Upto 2 mm	6.2 μ m	Using Slip Gauge, Slip Gauge Accessories by Comparison Method
13. DIAL/DIGIMATIC GAUGE^{\$} (Plunger Type)			
L. C. : 0.001 mm	Upto 10 mm	2.0 μ m	Using Slip Gauge, Slip Gauge Accessories by Comparison Method
L. C. : 0.01 mm	Upto 50 mm	6.0 μ m	

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Last Amended on **-** **Page** **3 of 3**

Quantity Measured / Instrument	Range/Frequency	* Calibration Measurement Capability (\pm)	Remarks
14. DIAL THICKNESS GAUGE ^{\$} L. C. : 0.001 mm ^Φ	Upto 25 mm	0.8 μ m	Using Digital Dial Gauge by Comparison Method
15. STANDARD FOILS ^{\$}	Upto 1000 μ m	6.1 μ m	Using Digital Micrometer by Comparison Method
16. SNAP GAUGE ^{\$}	Upto 100 mm 100 mm to 300 mm	1.5 μ m 5.0 μ m	Using Slip Gauge by Comparison Method
17. STEEL SCALE ^{\$}	0 to 1000 mm	$0.77\sqrt{0.61}L$ L is in meter	Using Scale & Tape Set up
18. STEEL TAPE ^{\$}	Upto 50 m	$0.77\sqrt{0.61}L$ L is in meter	Using Scale & Tape Set up
II. ACCELERATION AND SPEED			
1. RPM METER ^{\$} (Digital)	60 RPM to 3000 RPM	0.60% of F.S.	Using Digital Stabometer by Comparison Method
III. PRESSURE & VACUUM			
1. DIAL PRESSURE GAUGE ^{\$}	0 to 600 kg/cm ²	5.1 kg/cm ²	Using Digital Pressure Gauge and Hydraulic Oil based Comparator Pump
	0 to 3 kg/cm ²	0.1 kg/cm ²	Using Digital Pressure Gauge and Pneumatic/Vacuum Pump
2. DIAL VACUUM GAUGE ^{\$}	0 to (-)0.9 kg/cm ²	0.0085 kg/cm ²	Fusing Digital Vacuum Gauge & Pneumatic/Vacuum Pump

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

^{\$}Only in Permanent Laboratory

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