

Laboratory	Belgaum Material Testing Centre, Plot No. 41, Khanapur Road, Udyambag, Belgaum, Karnataka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Calibration	Issue Date	14.07.2014
Certificate Number	C-0489	Valid Until	13.07.2016
Last Amended on	-	Page	1 of 3

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. DIMENSION			
1. CALIPERS^{\$}			
Dial/Digital			
L.C. : 0.01 mm^Φ	0 to 150 mm	10.4 μ m	Using Caliper checker
	0 to 300 mm	15.3 μ m	
L.C. : 0.02 mm	0 to 200 mm	18.4 μ m	
	0 to 600 mm	25.0 μ m	
2. EXTERNAL MICROMETER^{\$} (Analog/Digital)			
L.C. : 0.001 mm^Φ	0 to 25 mm	1.5 μ m	Using Mick Check Set, And Slip Gauges
	25 mm to 100 mm	2.6 μ m	
	100 to 200 mm	4.5 μ m	
L.C. : 0.01 mm	200mm to 300mm	7.6 μ m	
3. MICROMETER SETTING RODS^{\$}			
	Upto 100 mm	3.0 μ m	Using Electronic Comparator / Dial Comparator & Slip Gauges
	100 mm to 200 mm	4.5 μ m	
	200 mm to 300 mm	6.3 μ m	
4. DIAL GAUGES^{\$} (Plunger Type)			
L.C. : 0.001 mm	0 to 5 mm	2.6 μ m	Using Dial Calibration Tester/ Electronic DCT
L.C. : 0.002 mm	0 to 25 mm	4.0 μ m	
L.C. : 0.01 mm	Upto 10 mm	4.0 μ m	

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5.	DIAL GAUGE^{\$} (Lever Dial) L.C. : 0.001 mm ^Φ L.C. : 0.01 mm	Upto 0.2 mm Upto 0.8 mm	1.9 μ m 3.8 μ m	Using Electronic DCT
6.	BORE GAUGE^{\$} (Transmission Error)	1 mm travel	4.0 μ m	Using Electronic DCT
7.	PLAIN PLUG GAUGES O D MASTERS, PLATE GAUGE^{\$}	Upto 100 mm 100 mm to 200 mm 200 mm to 300 mm	2.9 μ m 4.6 μ m 6.5 μ m	Using Electronic Comparator / Dial Comparator & Slip Gauges
8.	SNAP GAUGES/ GAP GAUGES^{\$}	Upto 100 mm 100 mm to 200 mm 200mm to 300 mm	2.3 μ m 4.5 μ m 6.6 μ m	Using Slip Gauges
9.	THREADED PLUG GAUGES^{\$}	Upto 100 mm	4.5 μ m	Using FCDM Machine & Accessories
10.	PLAIN RING GAUGE^{\$}	Upto 100 mm 100 mm to 300 mm	7.8 μ m 11.0 μ m	Using Trimos Vertical
11.	DEPTH CALIPERS^{\$} (Dial/Digital) L.C. : 0.01 mm ^Φ	Upto 300 mm	13.9 μ m	Using Depth Micro Checker
12.	HEIGHT GAUGES^{\$} (Dial/Digital) L.C. : 0.01 mm ^Φ L.C. : 0.02 mm	Upto 300 mm Upto 600 mm	14.8 μ m 24.8 μ m	Using Caliper Checker & Lever Dial

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Last Amended on	-	Page	3 of 3

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13.	FEELER GAUGE^{\$}	Upto 1 mm	2.2 μ m	Using External Micrometer

* Measurement Capability is expressed as an uncertainty (\pm) 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.