RECOMMENDED SCOPE OF ACCREDITATION

(For Calibration Laboratories)

Laboratory: Prism Calibration Centre, Ahmedabad				Date(s) of Visit : 07-08/10/2017			
Facility : Calibration				Discipline(s): Mechanical (Length)			
Sl	Parameter*/ Device under calibration	Master equipment used	Range(s) of measurement (mm)	Calibration and Measurement Capability**			Remarks+/ Method used
				Claimed by Laboratory ± (µm)	Observed by assessor ± (µm)	Recommended by Assessor ± (µm)	
At Permanent Laboratory							
1	Caliper - Vernier / Dial / Electronic	Caliper Checker	0 to 600 / 0.01	14	12.5	14	by Comparison method (IS 3651 - 1985)
2	External Micrometer	Micrometer Check Set & Gauge Block	0 to 100 / 0.001	1.3	–	1.3	by Comparison method (IS 2967 - 1983)
			100 to 300 / 0.001	3.8	3.3	3.8	
3	Height Gauge (vernier/Dial/Digital)	Caliper Checker , Surface Plate	0 to 600 / 0.01	13	13.6	13.6	by Comparison method (IS 2921 - 2016)
4	Dial Comprator	ULM	±0.050 / 0.001	1.2	–	1.2	Comparision Is 7599(part-1)
5	Plunger type Dial Gauge	ULM	up to 50 /0.001	1.3	1.3	1.3	by Direct measurement (IS 2092-1983)
6	Lever type Dial Gauge	ULM	0 - 1 / 0.001	1.3	--	1.3	by Direct measurement (IS 11498-1985)
7	Dial Bore Gauge (for transmission mechanism)	ULM	Upto 1 / 0.001	2.4	–	2.4	By Direct measurement (JIS B 7515-1982)
8	Foils	ULM	Up to 12 mm	1.2	–	1.2	By Comparison Method(PRISM/CAL/ SOP/PC/16)
9	Measuring Scale / Tapper Scale	Tape and Scale Calibrator	0 to 1000 / 1	134	117.6	134	Compatrision Method
10	Snap Gauge	ULM & Master Ring	6 to 150	2.3	–	2.3	by Comparison method (IS 3455-1971)
11	Measuring Tape / Pie Tape	Tape and Scale Calibrator	Upto 50 meter	134 x √L µm L in meter	117.6 x √L µm L in meter	134 x √L µm L in meter	Compatrision Method
12	Feeler Gauge	ULM	Up to 1	1.2	1.2	1.2	By Direct measurement (IS 3179-1990)

* Only for Electro-technical discipline; scope shall be recommended parameter vise (where applicable) and the ranges may be mentioned frequency vise.

** NABL 143 shall be referred for the recommendation of CMC

+ Remarks shall also include whether the same scope is applicable for site calibration as well. NABL 130 shall be referred while recommending the scope for site calibration.

Parthiv Kinariwala Signature, Date & Name of Lab Representative	08/10/2017 A.L. Gajare Signature, Date & Name of Assessor(s)	Mr. Gautam Pal Signature, Date & Name of Lead Assessor

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Facility : Calibration | **Discipline(s): Mechanical (Length)**

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				Claimed by Laboratory ± (µm)	Observed by assessor ± (µm)	Recommended by Assessor ± (µm)	
13	Spirit Level	Electronic Level	L.C. 0.01 mm/m	2.9 µm/m	6.6 µm/m	6.6 µm/m	Comparison method
14	Micrometer setting Rod	ULM, Slip Gauges	25 to 275	3.3	–	3.3	By Comparison method (IS 2967-1983)
15	Internal Micrometer (Two Point)	ULM & Long Slip Gauge	Basic Travel of Micrometer Head 25 to 32 & 50 to 63 mm	3.3	–	3	By Comparison method (IS 2966 - 1964)
			Overall Length with Extension Rod up to 10 to 250 mm	4.4	–	4.4	
16	Dial Thickness Gauge	Gauge Block Set	Up to 25 / 0.001	1.5	0.8	1.5	By Comparison Method
17	Pistol Caliper	Slip Gauge Set	Up to 100 / 0.05	15	29.3	29.3	by Comparison Method
18	Plain Ring Gauge	ULM & Master Ring	4 to 150	2.3	2.4	2.4	By Direct Measurement (IS 3455-1971)
19	Test sieve	Digital Vernier	5 to 125	28	25	28	Compatrision method (IS 460)
20	Thread Plug Gauge Major Diameter	ULM & Thread Measuring Wires,Gauge Block	Upto 150	2.2	1.6	2.2	Comparison (IS 2334 - 2001 & IS 4218 Is 14962)
	Effective Diameter			3.2	1.9	3.2	

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Parthiv Kinariwala Signature, Date & Name of Lab Representative	08/10/2017 A.L. Gajare Signature, Date & Name of Assessor(s)	Mr. Gautam Pal Signature, Date & Name of Lead Assessor

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(For Calibration Laboratories)

Laboratory: Prism Calibration Centre, Ahmedabad **Date(s) of Visit : 07-08/10/2017**

Facility : Calibration **Discipline(s): Mechanical (Length)**

Sl	Parameter*/ Device under calibration	Master equipment used	Range(s) of measurement (mm)	Calibration and Measurement Capability**			Remarks+/ Method used
				Claimed by Laboratory ± (µm)	Observed by assessor ± (µm)	Recommended by Assessor ± (µm)	
21	Thread Ring Gauge Effectiv Diameter Minor Diameter	ULM & Master Ring	4 to 100	2.1 2.1	2.2 2.1	2.2 2.1	Comparison method (IS 2334,IS 4218,IS14962)
22	Ultrasonic Thickness Gauge	Slip Gauge Set	Up to 300 / 0.1	71	71	71	by Comparison method (IS 12937 - 1990)
23	Plain Plug Gauge	ULM , Gauge Block Set	Up to 100	1.5	1.6	1.6	by Comparison method (IS 3455)
			100 to 280	2.9	2.6	2.9	
24	Cylindrical Measuring Pin	ULM	0.1 to 20	2	1.3	2	by Comparison method (IS 3455)
25	Coating Thickness Gauge	Master Foil	0 - 1 / 0.001	2.8	–	2.8	by Comparison Method
At Site							
26	Surface Plate	Electronic Level	2000 x 2000	1.0x √ L + W / 125 (µm) Where L & W is in mm	1.0x √ L + W / 125 (µm) Where L & W is in mm	1.0x √ L + W / 125 (µm) Where L & W is in mm	by Direct measurement (IS 7327-2003 & 2285-2003)

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