Laboratory	**WIKA Instruments India Pvt. Ltd., Plot No. 40, Gat No. 94+100, Hi-Cliff Industrial Estate, Kesnand, Pune, Maharashtra**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Discipline	**Mechanical Calibration**	**Issue Date**	**10.02.2016**
Certificate Number	**C-0133**	**Valid Until**	**09.02.2018**
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	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
I.	**PRESSURE & VACUUM**			
1.	**Pressure** [$] **(Pneumatic) Characterization of Dead Weight Tester**	0.17 bar to 1.7 bar 0.7 bar to 7 bar 7 bar to 70 bar 10 bar to 100 bar	0.004 % of Rdg. 0.004 % of Rdg. 0.004 % of Rdg. 0.009 % of Rdg.	Using Cross Float method as per EAL/4 -cg-3 & NABL 122-12
2.	**Pressure** [$] **(Hydraulic) Characterization of Dead Weight Tester**	6 bar to 60 bar 10 bar to 100 bar 40 bar to 400 bar 100 bar to 1200 bar 500 bar to 5000 bar	0.009 % of Rdg. 0.009 % of Rdg. 0.009 % of Rdg. 0.009 % of Rdg. 0.021 % of Rdg.	Using Cross Float method as per EAL/4 -cg-3 & NABL 122-12
3.	**Vacuum** [$] **Characterization of Dead Weight Tester**	-0.03 bar to -1.0 bar	0.01 % of Rdg.	Using Cross Float method as per EAL/4 -cg-3 & NABL 122-12
4.	**Pressure** [$] **(Pneumatic) For Dial Pressure Gauges, Digital Pressure Gauges & Pressure Transmitters, Pressure Switches, Diff. Pr. Indicators (at atmospheric pressure)**	0.015 bar to 0.15 bar 0.15 bar to 1.7 bar 1.7 bar to 7 bar 7 bar to 70 bar 40 bar to 400 bar	0.04 % of Rdg 0.006 % of Rdg 0.003 % of Rdg 0.003 % of Rdg 0.009 % of Rdg	By Direct method Based on DKD-R-6-1 & NABL 122-13
5.	**Pressure** [$] **(Hydraulic) For Dial Pressure Gauges, Digital Pressure Gauges & Pressure Transmitters, Diff. Pr. Indicators (at atmospheric pressure) Indicators**	6 bar to 60 bar 10 bar to 100 bar 40 bar to 400 bar 100 bar to 1200 bar	0.01 % of Rdg 0.01 % of Rdg 0.009 % of Rdg 0.01 % of Rdg	By Direct method Based on DKD-R-6-1 & NABL 122-13

Srikanth R.
Convenor

Avijit Das
Program Manager

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	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
6.	**Pressure** [$] **(Hydraulic) For Dial Pressure Gauges, Digital Pressure Gauges & Pressure Transmitters, Pressure Switches, Diff. Pr. Indicators** [$] **(at atmospheric pressure)**	400 bar to 5000 bar	0.021 % of Rdg	By Direct method Based on DKD-R-6-1 & NABL 122-13
7.	**Vacuum** [$] **For Dial Vacuum Gauges, Digital Vacuum Gauges & Vacuum Transmitters, Switches, Diff. Indicators**	-0.015 bar to -0.1 bar -0.1 bar to -0.95 bar	0.06 % of Rdg 0.005 % of Rdg	By Direct method Based on DKD-R-6-2 & NABL 122-13
8.	**Absolute Pressure** [$] **For Dial Pressure Gauges, Digital Pressure Gauges & Pressure Transmitters, Barometers, Pressure Switches, Diff. Pr. Indicators (at atmospheric pressure)**	0.015 bar to 0.17 bar 0.17 bar to 1.7 bar 1.7 bar to 7 bar 7 bar to 70 bar 0.0001 bar to 1 mbar (abs)	0.04 % of Rdg 0.006 % of Rdg 0.007 % of Rdg 0.003 % of Rdg 0.008 mbar	By Direct method Based on DKD-R-6-1& NABL 122-13
9.	**Low Pressure** [$] **(Pneumatic) For Dial Pressure Gauges, Digital Pressure Gauges & Pressure Transmitters, Pressure Switches Diff. Pr. Indicators (at atmospheric pressure)**	0 to 1 mbar 0 to 10 mbar	0.0008 mbar 0.008 mbar	By Comparison method Based on DKD-R-6-1& NABL 122-13

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	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
II.	**MASS**			
1	**Mass** [$] **(weights) Calibration of E2 class weights and coarser**	1 mg	0.002 mg	Using Mass Comparator having L.C-0.000001g E1 class 1mg – 10 kg weights Method used is as per OIML-R 111
		2 mg	0.002 mg	
		5 mg	0.002 mg	
		10 mg	0.002 mg	
		20 mg	0.002 mg	
		50 mg	0.003 mg	
		100 mg	0.003 mg	
		200 mg	0.003 mg	
		500 mg	0.005 mg	
		1 g	0.005 mg	
		2 g	0.005 mg	
		5 g	0.006 mg	
		10 g	0.007 mg	
		20 g	0.01 mg	
		50 g	0.02 mg	Using Mass Comparator having L.C - 0.00001g E1 class 1mg – 10 kg weights
		100 g	0.02 mg	
		200 g	0.06 mg	
	Calibration of F1 class weights and coarser	500 g	0.09 mg	
		1 kg	1 mg	Using Mass Comparator having L.C - 0.001g E1 class 1mg – 10 kg weights. Method used is as per OIML R-111
		2 kg	1 mg	
		5 kg	8.23 mg	Using Mass Comparator having L.C - 0.01g E1 class 1mg – 10 kg weights Method used is as per OIML R-111
		10 kg	10 mg	

*** Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%**
[$] Only in Permanent Laboratory

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