

**Laboratory**                      **Electronet Equipments Calibration Laboratory, Electronet Equipments Pvt. Ltd., Plot No. 84, 85 & 86, Tiny Industrial Estate, Kondhwa (Bk), Pune, Maharashtra**

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

**Certificate Number**        **CC-2831**

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**Validity**                      **30.08.2018 to 29.08.2020**

**Last Amended on**    **-**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
<b><u>FLUID-FLOW CALIBRATION</u></b>				
<b>I. FLOW MEASURING DEVICES</b>				
1.	Mass Flow Rate <sup>s</sup> (Media Water)	560 kg/hr to 56000 kg/hr	0.20 %	Using Calibration Rig (1 Ton Capacity) Consisting of Diverter, Weigh Scale, Timer and Density Hydrometer by Gravimetric Method as per ISO 4185
2.	Mass Flow Rate <sup>s</sup> (Media Water)	1200 kg/hr to 300000 kg/hr	0.2 %	Calibration Rig (8 Ton Capacity) Consisting of Diverter, Weigh Scale & Timer by Gravimetric Method as per ISO 4185
3.	Quantity By Mass <sup>s</sup> (Media Water)	Upto 1000 kg	0.035 %	Using Weigh Scale (1 Ton Capacity) Calibration Rig
		Upto 6600 kg	0.035 %	Weigh Scale (8 Ton Capacity) Calibration Rig
4.	Quantity By Volume <sup>s</sup> (Media Water)	Upto 1000 L	0.05 %	Using Weigh Scale (1 Ton Capacity) of the Calibration Rig
		Upto 6600 L	0.05 %	Weigh Scale (8 Ton Capacity) Calibration Rig

**Dheeraj Chawla**  
**Convenor**

**Avijit Das**  
**Program Manager**

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5.	Volumetric Flow Rate <sup>s</sup> (Media Water)	0.56 m <sup>3</sup> /hr to 56 m <sup>3</sup> /hr	0.20 %	Using Calibration Rig (1 Ton Capacity) Consisting of Diverter, Weigh Scale, Timer and Density Hydrometer by Gravimetric Method as per ISO 4185
		1.2 m <sup>3</sup> /hr to 300 m <sup>3</sup> /hr	0.25 %	Using Calibration Rig (8 Ton Capacity) Consisting of Diverter, Weigh Scale, Timer and Density Hydrometer by Gravimetric Method as per ISO 4185

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b><u>MECHANICAL CALIBRATION</u></b>				
<b>I.</b>	<b>PRESSURE INDICATING DEVICES</b>			
<b>1.</b>	Dial Pressure Gauges, Digital Pressure Indicator & Pressure Transmitters <sup>§</sup> (Pneumatic Pressure)	0 mbar to 10 mbar	0.02 mbar	Using Digital Pressure Gauge & Transmitter With Pneumatic Pump By Comparison Method As per DKD-R-6-1
		0 mbar to 100 mbar	0.15 mbar	Using Digital Pressure Gauge & Transmitter With Pneumatic Pump By Comparison Method As per DKD-R-6-1
		0 bar to 2 bar	0.00081 bar	Using Digital Pressure Gauge & Transmitter With Pneumatic Pump By Comparison Method As per DKD-R-6-1
		0 bar to 10 bar	0.015 bar	Using Digital Pressure Gauge & Transmitter With Pneumatic Pump By Comparison Method As per DKD-R-6-1
		0 mbar to 1000 mbar	1 mbar	Using Digital Pressure Gauge & Transmitter With Pneumatic Pump By Comparison Method As per DKD-R-6-1

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
		10 bar to 30 bar	0.015 bar	Using Digital Pressure Gauge with Pneumatic Pump by Comparison Method as per DKD R-6-1
2.	Dial Pressure Gauges, Digital Pressure Indicator & Pressure Transmitters <sup>§</sup> (Hydraulic Pressure)	0 bar to 700 bar	0.20 bar	Using Digital Pressure Gauge with Hydraulic Pump by Comparison Method as per DKD R-6-1
3.	Dial Vacuum Gauges, Digital Vacuum Indicator & Vacuum Transmitter <sup>§</sup>	(-) 0.75 bar to 0 bar	0.00018 bar	Using Digital Vacuum Gauge with Vacuum Pump by Comparison Method as per DKD R-6-2
4.	Pneumatic Pressure <sup>§</sup>	0.20 bar (a) to 10 bar (a)	0.00105 bar	Using Digital Pressure Gauge & Transmitter With Pneumatic Pump By Comparison Method As per DKD-R-6-1

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

<sup>§</sup> Only in Permanent Laboratory

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Convenor

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