

Laboratory **S. P. Instruments & Services**, B-202/1, Angel Complex, PO: Navjivan, Ahmedabad, Gujarat

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

Certificate Number **CC-2274** Page **1 of 2**

Validity **01.03.2018 to 29.02.2020** Last Amended on **-**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
1.	PRESSURE INDICATING DEVICES			
1.	Pressure Pneumatic Dial & Digital Pressure Gauges, Pressure Transmitters*	0 to 1080 Pa 1080 Pa to 6230 Pa 0 to 25 bar	6.37 Pa 18.63 Pa 0.018 bar	Using Digital Pressure Transmitter with Display and Pneumatic Pump Comparison Method as per DKD R 6-1
2.	Pressure Dial & Digital Pressure Gauges, Pressure Transmitters *	25 bar to 276 bar 276 bar to 689 bar	0.14 bar 0.22 bar	Using Digital Pressure Transmitter with Display and Hydraulic Pump Comparison Method as per DKD R 6-1
3.	Vacuum Dial & Digital Pressure Gauges, Pressure Transmitters*	(-) 0.9 bar to 0 bar	0.0135 bar	Using Digital Pressure Transmitter with Display and Pneumatic pump Comparison Method as per DKD R 6-1

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<u>THERMAL CALIBRATION</u>				
I.	TEMPERATURE			
1.	RTD/ Thermocouple with or without Indicator/Controller/ Datalogger, Temperature Transmitter with Sensor, Temperature Gauge*	(-) 20°C to 0 °C 0 °C to 250 °C	0.3 °C 0.35 °C	Using RTD (Pt100) with Digital Indicator, Dry Block Baths by Comparison Calibration
2.	Temperature Indicator with Bath*	(-) 20 °C to 0 °C 0°C to 250°C	0.3 °C 0.3 °C	Using RTD (Pt100) with Digital Indicator ,Single Position Calibration

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

*Only for Site Calibration

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