

Laboratory Control & Instrumentation Laboratory, NCPS Dadri, O&M/ C&I, NCPS/ NTPC, P.O. Vidyut Nagar, Distt. Gautam Budh Nagar, Uttar Pradesh
Accreditation Standard ISO/IEC 17025: 2005
Certificate Number CC-2578 **Page** 1 of 2
Validity 20.02.2018 to 19.02.2020 **Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
1. PRESSURE INDICATING DEVICES				
1.	Negative Pressure: Digital/ Dial, Vacuum Indicating Devices/ Transmitters With Electrical Output [§]	0 to (-)9.80665 x 10 ⁴ Pa	264.77955 Pa	Using Pneumatic Test Bench, GE Sensing by Comparison Method
2.	Pneumatic Pressure: Digital/ Dial, Pressure Indicating Devices/ Transmitters With Electrical Output [§]	0 to 9.80665 x 10 ⁴ Pa	2.61837 x 10 ³ Pa	Using Pneumatic Test Bench, GE Sensing Comparison Method
		0 to 6.86465 x 10 ⁵ Pa	9.21825 x 10 ³ Pa	Using Pneumatic Test Bench, GE Sensing Comparison Method
3.	Hydraulic Pressure: Digital/ Dial, Pressure Indicating Devices/ Transmitters With Electrical Output [§]	0 to 1.56906 x 10 ⁷ Pa	8.33565 x 10 ³ Pa	Using Digital Process Calibrator WIKA Comparison Method
		0 to 3.92266 x 10 ⁷ Pa	2.84393 x 10 ⁴ Pa	Using Digital Process Calibrator WIKA Comparison Method

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>THERMAL CALIBRATION</u>				
1.	TEMPERATURE			
1.	RTD With Indicator [§]	0 °C to 250 °C	0.30 °C	Using RTD with Indicator and Calibrator by Comparison Method
		250 °C to 600 °C	0.50 °C	Using RTD with Indicator and Calibrator by Comparison Method
2.	Temperature Indicator of Bath/ Calibrator [§]	0 °C to 600 °C	0.50 °C	Using RTD with Indicator and Calibrator by Comparison Method
3.	Thermocouple with Indicator [§]	0 °C to 600 °C	1.30 °C	Using RTD with Indicator and Calibrator by Comparison Method
4.	Temperature Gauges/Dial Gauges [§]	0 °C to 600 °C	0.60 °C	Using RTD with Indicator and Calibrator by Comparison Method

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

[§] Only in Permanent Laboratory

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