

Laboratory **Salvin Instruments Calibration Laboratory, 2902/ A, Temple Road,
V. V. Mohalla, Mysore, Karnataka**

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

Certificate Number **CC-2892** *(In lieu of C-0449, C-0450, C-0578)* **Page** **1 of 3**

Validity **20.10.2018 to 19.10.2020** **Last Amended on 19.11.2018**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
<u>ELECTRO TECHNICAL CALIBRATION</u>				
I.	SOURCE			
1.	Temperature Simulation [#] RTD type PT-100 Thermocouple J type Thermocouple K type Thermocouple N type Thermocouple R type Thermocouple S type	(-)200°C to +800°C 0 to 1200°C 0 to 1300°C 0 to 1300°C 0 to 1760°C 0 to 1760°C	1.0°C 1.1°C 1.1°C 1.1°C 2.3°C 2°C	Using Fluke 725 Calibrator By Comparison Method.
2.	DC Voltage [#]	0.1V to 10V	1.1%	Using Fluke 725 Calibrator By Comparison Method
3.	DC Current [#]	4 to 20 mA	1.1%	Using Fluke 725 Calibrator By Comparison Method

Pankaj Varshney
Convenor

Avijit Das
Program Manager

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<u>MECHANICAL CALIBRATION</u>				
I.	PRESSURE INDICATING DEVICES			
1.	Analog/Digital Pressure Gauge ^{\$}	0 to 600 bar	0.75% of rdg	Using Fluke 700G031 by Comparison Method as per DKD R-6-1
2.	Analog/Digital Pressure Gauge ^{\$}	0 to 35 kpa	2.1% of rdg	Using Fluke 700G05 by Comparison Method as per DKD R-6-1
3.	Analog/Digital Vacuum Gauge ^{\$}	(-) 600 to 0 mm Hg	1.92% of rdg	Using Fluke 700G031 by Comparison Method as per DKD R-6-1
II.	WEIGHING SCALE AND BALANCE			
1.	Digital Weighing Balance [*] d=0.01 gm d=0.1 gm	1 gm to 200 gms 200 gms to 5 kg	11.2 mg 0.97 gm	Using F1 class weight as per OIML-R76

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<u>THERMAL CALIBRATION</u>				
I.	TEMPERATURE			
1.	RTD/Thermocouple With Or Without Indicator/ Temperature Gauges ^{\$}	50 °C to 350°C	2.4°C	Using Temperature Simulator & Process Calibrator & Master RTD Sensor By Comparison Method
2.	RTD/Thermocouple With Or Without Indicator/ Temperature Gauges ^{\$}	400 °C to 700°C 700 °C to 1300°C	3.5°C 6.6°C	Using Temperature Simulator & Process Calibrator & Master R Type Thermocouple By Comparison Method
3.	Glass Thermometers & Temperature Gauges ^{\$}	50 °C to 200°C	0.9°C	Using Temperature Simulator & Process Calibrator & Master RTD Sensor By Comparison Method
4 .	Temperature Simulator With R Type Master Thermocouple [*]	50 °C to 800°C	3°C	Using Dry Block & Process Calibrator By Comparison Method

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

^{\$}Only in Permanent Laboratory

^{*}Only for Site Calibration

[#] The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

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Convenor

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