Laboratory	**Make Instruments Suppliers & Calibration Lab, Plot No. 2, Sree Vamana Industrial Estate, L&T Bypass, Palaghat Road, Eachanari, Coimbatore, Tamil Nadu**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**CC-2789** **Page** **1 of 3**
Validity	**06.08.2018 to 05.08.2020** **Last Amended on** **-**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	MECHANICAL CALIBRATION			
I.	**PRESSURE INDICATING DEVICES**			
1.	Pressure-Hydraulic Pressure Gauges, Pressure Transmitters, Pressure Transducers & Digital Manometers #	0 to 700 bar	0.47 bar	Using Digital Pressure Calibrator with Comparison method as per DKD-R 6-1
2.	Pressure-Pneumatic Pressure Gauges, Pressure Transmitters, Pressure Transducers, Pressure Switches, Digital Manometers & Magnehelic Gauges #	0 to 30 bar 0 to 1 bar	0.04 bar 0.01 bar	Using Digital Pressure Calibrator with Comparison method as per DKD-R 6-1
3.	Vacuum Gauges, Magnehelic Gauges, Vacuum Switches & Vacuum Transmitters#	(-) 0.9 to 0 bar (-) 0.70 to 0 bar	0.04 bar 0.01 bar	Using Digital Pressure Calibrator with Comparison method as per ISO 3567 & ISO 27893

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
		THERMAL CALIBRATION		
I.	**TEMPERATURE**			
1.	Temperature Sensor (RTD)/Thermocouple/ Temperature Sensor with Indicator/ Recorder/Temp. Gauge/Temperature Switches/ Temperature Transmitter with Sensor $	(-)30 °C to 100 °C 100 °C to 500 °C 500 °C to 1200 °C	0.22 °C 2.19 °C 2.9 °C	Using RTD Sensor (PT 100), Multifunction Calibrator, Temperature Bath By Comparison Method Using “S” Type Thermocouple, Multifunction Calibrator, Temperature Bath By Comparison Method
2.	Temperature Sensor (RTD)/ Thermocouple /Temperature Sensor with Indicator/ Recorder/ Temp. Gauge/ Temperature Switches/ Temperature Transmitter with Sensor ♣	(-)30 °C to 100 °C 100 °C to 500 °C 500 °C to 1200 °C	0.62 °C 3.01 °C 3.41 °C	Using RTD Sensor(PT 100), DMM, Temperature Bath by Comparison Method Using “K” Type Thermocouple, Digital Indicator, Temperature Bath by Comparison Method

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
3.	Incubators (for all non-Medical Applications), Freezers, Oven[♣]	(-) 30 °C to 100 °C	1.50 °C	Using RTD Sensor's with Data Logger by Direct Method Multi Point Calibration
4.	Furnace, Oven [♣]	100 °C to 400 °C 400 °C to 1200 °C	4.63 °C 8.3 °C	Using "K" Type Thermocouples with Data Logger by Direct Method Multi Point Calibration

*** Measurement Capability is expressed as an uncertainty (±) 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.

Shally Sharma
Convenor

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