

Laboratory Srivin Engineering Company, Plot No. 8/6, Road No. 5, I. D. A.,
Nacharam, Hyderabad, Telangana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2499

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Validity 26.12.2017 to 25.12.2019

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
1.	PRESSURE INDICATING DEVICES			
1.	Hydraulic Pressure - Analog/Digital Pressure Gauges, Transmitters, Transducers, Switches [#]	0 to 400 bar	0.27 bar	Using Digital Pressure Gauge By comparison Method as per DKD-R6-1
2.	Pneumatic Pressure - Analog/Digital Pressure Gauges, Transmitters, Transducers, Switches [#]	0 to 40 bar	0.02 bar	Using Digital Pressure Gauge By comparison Method as per DKD-R6-1
2.	Low Pressure - Magnehelic Gauges, Differential Pressure Gauges, Manometers [#]	0 to 500 mmWc	0.88 mmWc	Using Digital Pressure By comparison Method as per DKD-R6-1
3.	Vacuum -Vacuum Gauges, Indicators, Transmitters And Transducers [#]	(-)0.93 to 0 bar	0.93 bar	Using Digital Pressure By comparison Method as per DKD-R6-2

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Convenor

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Program Director

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<u>THERMAL CALIBRATION</u>				
I.	TEMPERATURE			
1.	RTD, Thermocouples with or without Temperature Indicator/Data logger, Digital Thermometer [§]	(-) 80°C to 50°C	0.29°C	Using 4 Wire RTD with DMM in Refrigerated Liquid Bath by Comparison Method
2.	RTD, Thermocouples with or without Temperature Indicator/Data logger, Digital Thermometer [#]	50°C to 250°C	0.35°C	Using 4 Wire RTD with DMM in Dry Temperature Bath by Comparison Method
3.	Thermocouples with or without temperature Indicator/Data logger, Digital Thermometer [#]	250°C to 650°C 650°C to 1150°C	3°C 3°C	Using 'S' Type Thermocouple With Digital Thermometer in Dry Temperature Bath by Comparison Method
4.	RTD, Thermocouples with or without temperature Indicator/Data logger, Digital Thermometer [*]	(-) 30°C to 50°C	0.29°C	Using 4 Wire RTD with DMM in Dry Temperature Bath by Comparison Method

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5.	Temperature Indicator with Sensor of Liquid Bath, Dry block Bath, Freezer, Oven, Incubator, Centrifuge Chamber with Temperature Indicator*	(-) 80°C to 50°C 50°C to 250°C	0.25°C 1.2°C	Using 4 Wire RTD with DMM by Comparison Method
II.	SPECIFIC HEAT AND HUMIDITY			
1.	Temperature /Humidity Indicator with sensor of Chamber/ Environmental Chamber/Generator*	20%RH to 90 %RH @ Approx 25°C 10°C to 50°C @ Approx 50%RH	2 %RH 2.1°C	Using temperature & Humidity Meter with Sensor by Single Point Calibration
2.	Chamber, Freezer, Oven Incubator*	(-) 80 to 250°C	3.5°C	Using RTD Sensor (Minimum Nine) With Data Logger.(Multi Point Calibration).
3.	Humidity Chamber/ Environmental Chamber/Generator*	30%RH to 95 %RH @ Approx 25°C 10°C to 50°C @ Approx 50%RH	2.1 %RH 2.1°C	Using Wireless Data Logger (Minimum Nine) Multi Point Calibration

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
4.	Humidity & Temperature Indicator with sensor, Thermo Hygrometer, Data Logger/Recorder [#]	20%RH to 90 %RH @ Approx 25°C 10°C to 50°C @ Approx 50%RH	1.9 %RH 0.53°C	Using temperature & Humidity Meter with Sensor & Humidity Generator 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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