

**Laboratory** Thermolab Testing Services Private Limited, Thermolab House, Plot No. 40, Vasai Municipal Industrial Area, Umela Road, Vasai (West), Dist Palghar, Maharashtra

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

**Certificate Number** CC-2620

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**Validity** 22.03.2018 to 21.03.2020

**Last Amended on** --

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b><u>MECHANICAL CALIBRATION</u></b>				
<b>I. PRESSURE INDICATING DEVICES</b>				
1.	Hydraulic Pressure <sup>s</sup> (Digital/Analogue)	0 to 30 bar 0 to 300 bar	0.15 bar 0.60 bar	Using Digital Pressure Gauge by Comparison Method as per DKD R-6-1
	Hydraulic Pressure <sup>*</sup> (Digital/Analogue)	0 to 30 bar 0 to 200 bar	0.15 bar 1.2 bar	Using Digital Pressure Gauge by Comparison Method as per DKD R-6-1
2.	Vacuum Gauges <sup>s</sup> (Digital/Analogue)	(- 0.9) to 0 bar	0.006 bar	Using Digital Vacuum Gauge By Comparison Method as per DKD R-6-2
3.	Vacuum Gauges <sup>*</sup> (Digital/Analogue)	(- 0.8) to 0 bar	0.006 bar	Using Digital Vacuum Gauge By Comparison Method as per DKD R-6-2
<b>II. DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)</b>				
1.	External Micrometer <sup>s</sup> L.C. 0.01mm	0 to 25mm	6.0 $\mu$ m	Using Gauge Block Set By comparison Method (IS 2967)

**Rajeshwar Kumar**  
Convenor

**Avijit Das**  
Program Director

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2.	Vernier Caliper <sup>s</sup> (Dial & Digital Vernier) L.C. 0.01mm	0 to 150mm /	14.0 $\mu$ m	Using Gauge Block Set By comparison Method (IS 3651)

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<b><u>THERMAL CALIBRATION</u></b>				
<b>I.</b>	<b>TEMPERATURE</b>			
1.	Temperature Indicator with Sensor <sup>§</sup>	(-)25°C to 100°C 100°C to 350°C	0.23 °C 0.26 °C	Using Digital Temperature Indicator with Sensor & Dry Block Calibrator By Comparison Method
		(-)20°C to 50°C 50°C to 320°C	0.7°C 0.73°C	Using Digital Temperature Indicator with Sensor & Dry Block Calibrator By Comparison Method
<b>II.</b>	<b>SPECIFIC HEAT AND HUMIDITY</b>			
1.	Digital Temperature & Relative Humidity Indicator with Sensor <sup>§</sup>	15°C to 35°C @ approx. 50%RH & 45 to 75%RH @25°C	0.5°C@ approx. 50%RH & 3.6%RH@ 25°C	Using Digital Temperature & Relative Humidity Indicator with Sensor & Temperature & Humidity Chamber 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

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