

Laboratory Radix Electrosystems Pvt. Ltd., A-566/583, T.T. C. Industrial Area,  
MIDC Mahape, Navi Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2530

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Validity 18.01.2018 to 17.01.2020

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b><u>MECHANICAL CALIBRATION</u></b>				
<b>I.</b>	<b>PRESSURE INDICATING DEVICES</b>			
1.	Pressure Gauge <sup>\$</sup>	0 to 2 bar 0 to 20 bar 0 to 140 bar 0 to 350 bar 0 to 700 bar	0.003 bar 0.016 bar 0.087 bar 0.208 bar 0.462 bar	Using Digital Test Gauge with Comparison Test Pump by Comparison Method as DKD R-6-1
2.	Vacuum Gauge <sup>\$</sup>	(-) 0.9 bar to 0	0.005 bar	Using Digital Test Gauge with Comparison Test Pump by Comparison Method as DKD R-6-2
3.	Pressure Transmitter <sup>\$</sup>	0 to 20 bar 0 to 700 bar	0.022 bar 0.82 bar	Using Digital Pressure Indicator & 61/2 DMM with Comparison Test Pump by Comparison Method as DKD R-6-1
4.	Pressure Transmitter <sup>\$</sup> (Vacuum)	(-)0.9 to 0 bar	0.005 bar	Using Digital Pressure Indicator & 61/2 DMM with Comparison Test Pump by Comparison Method as DKD R-6-2

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Ram Ashray  
Convenor

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Avijit Das  
Program Director

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<b><u>THERMAL CALIBRATION</u></b>				
<b>I.</b>	<b>TEMPERATURE</b>			
<b>1.</b>	Glass Thermometer <sup>§</sup>	(-) 80° C to 35° C > 35° C to 300° C	0.35° C 0.6° C	Using Standard PRT, Liquid Bath & Precision Temperature Scanner in liquid by Comparison Method
<b>2.</b>	RTD / Thermocouple With & without Indicator & Transmitter, Temperature Measuring Device with Probe, Temperature Gauge, Digital Thermometer <sup>§</sup>	(-) 80° C to 0° C > 0° C to 300° C > 300° C to 600° C	0.2° C 0.09° C 0.67° C	Using Standard PRT, Liquid Baths & Precision Temperature Scanner in dry block temperature furnace by Comparison Method
<b>3.</b>	Themocouples with & without Indicator & transmitter, Digital Thermometer <sup>§</sup>	> 600° C to 1200° C	2.8° C	Using S type Thermocouple; Precision Temperature Scanner in dry block temperature furnace by Comparison Method

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

<sup>§</sup>Only in Permanent Laboratory

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