Laboratory AccurMax Solutions, RH No. 3, Pride Huts, Shreekrushna Nagar,

Panchak, Jail Road, Nashik, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

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Validity 30.10.2017 to 29.10.2019 Last Amended on --

SI.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	ELECTRO-TECHNICAL CALIBRATION			
I.	SOURCE			
1.	DC Voltage #	20 m V to 100 mV 100 mV to 200 m V 200m V to 180 V 180V to 1000 V	0.35 % to 0.15 % 0.15 % 0.15 % 0.15 %	Using 5½ Digit Zeal MFC By Direct Method
2.	DC Current#	1mA to 180mA 180 mA to 1.8 A 1.8 A to 10 A	0.80% to 1.15 % 0.15 % to 0.20 % 0.20 % to 0.25 %	Using 5½ Digit Zeal MFC By Direct Method
3.	AC Voltage#	50 Hz 200mV to 180 V 180V to 750 V	0.50 % to 0.20 % 0.20 % to 0.25 %	Using 5½ Digit Zeal MFC By Direct Method
4.	AC Current#	50 Hz 0.2 mA to 1.8 mA 1.8 mA to 1.8 A 1.8 A to 10 A	4.35 % to 0.40 % 0.40 % to 0.30 % 0.30 % to 0.25 %	Using 5½ Digit Zeal MFC By Direct Method
5.	DC Resistance#	10 Ω to 1000 Ω 1 k Ω to 10 k Ω 10 k Ω to 100 k Ω 100 k Ω to 1 M Ω 1Μ Ω to 10 M Ω 10Μ Ω to 40 M Ω	1.1% to 0.60 % 0.60 % 0.60 % 0.60 % 0.60 % 0.60 %	Using Multiscope Decade Resistance By Direct Method
6.	Frequency#	45 Hz to 1000 Hz	0.55 % to 0.030 %	Using 5½ Digit Zeal MFC By Direct Method

Rajeshwar Kumar Convenor Avijit Das Program Director

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SI.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
7.	Temperature Simulation# PT-100 J Type	(-)199°C to 650°C 0°C to 760°C	0.90°C 2.4°C	Using Universal Calibrator By Direct method
II.	MEASURE			
1.	DC Voltage#	0.5 mV to 100 mV 100 m V to 200 mV	0.20% to 0.01 % 0.01 % to 2.88%	Using 6½ Digit DMM By Direct method
2.	Time# (Stop Watch)	10 s to 1 Hour	0.40 s to 3.25 s	Using Stop Watch By Comparison Method

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SI.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	MECHANICAL CALIBRATION			
ī.	PRESSURE INDICA	TING DEVICES		
1.	Pressure For Pressure	0 to 7 bar	0.1 bar	Using Digital Pressure Gauge & Pressure
	Gauge/Pressure Transmitter with Indicator#	0 to 70 bar 0 to 600 bar	0.1 bar 0.62 bar	Comparator By Comparison Method DKD R-6-1
2.	Pressure For Low Pressure Gauge/ Magnehelic Gauge#	0 to 200 mmWc	0.40 mmWc	Using Digital Pressure Calibrator & Pressure Comparator By Comparison Method DKD R-6-1
3.	Vacuum For Vacuum Gauge/ Vacuum Indicator#	(-)710 to 0 mmHg	0.4 mmHg	Using Digital Pressure Calibrator & Pressure Comparator By Comparison Method

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SI.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks	
	THERMAL CALIBRATION				
I.	TEMPERATURE				
1.	Temperature For All Type of RTD's/ Thermocouples With or Without Temperature Indicator / Controller#	50°C to 400°C 400°C to 1200°C	1.24°C to 2.12°C 2.8°C	Using Standard PT-100 Sensor, S-Type Thermocouple, Universal Calibrator,6½ DMM Source: Dry Temp Block By Comparison Method	
2.	Dial Thermometer #	50°C to 400 °C	1.4°C	Using Standard PT-100 Sensor, Universal Calibrator, Source: Dry Temp Block , By Comparison Method	
3.	Temperature Temperature Indicator Of Dry Block Calibrator / Oven/Incubator#	50°C to 400°C	1.29°C	Using Standard PT-100 Sensor, Universal Calibrator By Comparison Method	

^{*} Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%

Rajeshwar Kumar	Avijit Das
Convenor	Program Director

^{\$}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.