

# Accreditation Scope

**Veetech Instrumentation and Control Service L.L.C, NAL 086**  
**Calibration Laboratory, (ISO/IEC 17025:2017)**

**Musaffah, Abu Dhabi, UAE**

**Issue Date: 18-10-2020**

**Expiry Date: 31-07-2021**

**Issue No: 05**

Calibration Field/ Quantity/ Property	Measurand / Equipment	Measuring Range	CMC (k=2)	Calibration Method (Standard/ Internal Procedure)	Permanent lab (P) / Client-site (S)
Dimensional	Vernier Caliper (outside & inside side)	(0 to 300) mm	30 µm	WI/043:2018	P
	Outside Micrometer	(0 to 25) mm	2 µm	WI/044:2018	
Temperature	IR Thermometer	(50 to 500) °C	(3 to 10) °C	WI/042:2017	P
	Temperature Indicator with Sensor	(-20 to 125) °C	0.26 °C	WI/040:2017	
		(125 to 600) °C	1.01 °C		
Pressure	Pressure Gauge	(1 to 1000) bar	0.031 % rdg	DKD R-6-1:2014 & WI/002:2018	P
Electrical	Electrical DC Voltage (Source Mode)	1 to 329.999 mV	0.019 % .U	Euramet cg-15 WI/027:2018	P
		330 mV to 3.29999 V	0.022 % .U		
		3.3 to 32.9999 V	0.021 % .U		
		10 to 101.999 V	0.059 % .U		
		30 to 329.999 V	0.023 % .U		
		100 to 1020.00 V	0.06 % .U		
	Electrical DC Current (Source Mode)	1 to 329.99 µA	0.12%.I	Euramet cg-15 WI/027:2018	P
		330 µA to 3.29999 mA	0.20% .I		
		3.3 to 32.999 mA	0.065% .I		
		33 to 329.999 mA	0.088%.I		
		330 mA to 1.0999 A	0.21%.I		
		1.1 to 2.9999 A	0.24%.I		
	3 to 10.999 A	0.33%.I			

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Electrical	Electrical 4-Wire Resistance (Source Mode)	1 $\Omega$	1.2 % .R	Euramet cg-15 WI/027:2018	P
		1.9 $\Omega$	0.58 % .R		
		10 $\Omega$	0.18 % .R		
		19 $\Omega$	0.12 % .R		
		100 $\Omega$	0.074 % .R		
		190 $\Omega$	0.055 % .R		
		1 k $\Omega$	0.065 % .R		
		1.9 k $\Omega$	0.042 % .R		
		10 k $\Omega$	0.065 % .R		
		19 k $\Omega$	0.045 % .R		
		100 k $\Omega$	0.073 % .R		
	190 k $\Omega$	0.057 % .R			
	Electrical AC Voltage (Source Mode)	1.00 to 32.99 mV at 45 to 65 Hz	1.2 % .U	Euramet cg-15 WI/027:2018	P
		1.00 to 32.99 mV at 65 Hz to 1 kHz	1.3 % .U		
		33 to 329.99 mV at 45 to 65 Hz	0.20 % .U		
		33 to 329.99 mV at 65 Hz to 1 kHz	0.21 % .U		
		0.33 to 3.2999 V at 45 to 65 Hz	0.12 % .U		
		0.33 to 3.2999 V at 65 Hz to 1kHz	0.14 % .U		

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Electrical	Electrical AC Voltage (Source Mode)	3.3 to 32.999 V at 45 Hz to 65 Hz	0.13 % .U	Euramet cg-15 WI/027:2018	P
		3.3 to 32.999 V at 65 Hz to 1 kHz	0.15 % .U		
		33 to 101.99 V at 45 to 65 Hz	0.19 % .U		
		33 to 101.99 V at 65 Hz to 1 kHz	0.20 % .U		
		102 to 329.99 V at 45 to 65 Hz	0.17 % .U		
		102 to 329.99 V at 65 Hz to 1 kHz	0.18% .U		
		330 to 1020.0 V at 45 to 65 Hz	0.19 % .U		
		330 to 1020.0 V at 65 Hz to 1 kHz	0.20 % .U		
	Electrical AC Current (Source Mode)	29.0 to 329.9 $\mu$ A at 45 to 65 Hz	0.56 % .I	Euramet cg-15 WI/027:2018	P
		29.0 to 329.9 $\mu$ A at 65 Hz to 1 kHz	0.57 % .I		
		0.33 to 3.2999 mA at 45 to 65 Hz	0.34 % .I		
		0.33 to 3.2999 mA at 65 Hz to 1 kHz	0.35 % .I		
		3.3 to 32.999 mA at 45 to 65 Hz	0.19 % .I		
		3.3 to 32.999 mA at 65 Hz to 1 kHz	0.26 % .I		

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Electrical	Electrical AC Current (Source Mode)	33 to 329.99 mA at 45 to 65 Hz	0.19 % .I	Euramet cg-15 WI/027:2018	P
		33 to 329.99 mA at 65 Hz to 1 kHz	0.26 % .I		
		0.33 to 1.0999 A at 45 to 65 Hz	0.27 % .I		
		0.33 to 1.0999 A at 65 Hz to 1 kHz	0.42 % .I		
		1.1 to 2.9999 A at 45 to 65 Hz	0.21 % .I		
		1.1 to 2.9999 A at 65 Hz to 1 kHz	0.38 % .I		
		3.0 to 10.999 A at 45 to 65 Hz	0.37 % .I		
		3.0 to 10.999 A at 65 Hz to 1 kHz	0.54 % .I		
<b>END</b>					