

Accreditation Scope

Betalink Instrumentation and Calibration L.L.C, NAL 063
Calibration Laboratory, (ISO/IEC 17025:2017)

Mussafah Industrial, M45, Abu Dhabi, UAE

Issue Date: 07-01-2021

Expiry Date: 06-01-2024

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)
Pressure (Pneumatic)	Pressure Gauge & Pressure Transducer	(-0.8 to 0) Bar	0.05 Bar	CM-01:2020	P
Pressure (Hydraulic)	Pressure Gauge & Pressure Transducer	(> 0 to 2) Bar	0.05 Bar	CM-01:2020 DKD R6-1:2014	
		(> 2 to 70) Bar	0.4 Bar		
		(> 70 to 700) Bar	0.9 Bar		
Dimensional	Vernier Caliper	(0 to 600) mm	0.04 mm	BS EN ISO 13385-1:2019	P
	Outside Micrometer	(0 to 25) mm	2 µm	ISO 3611:2010	
	Dial Indicator	(0 to 400) mm	4 µm	ASME B891.1.10M:2001 (R2011)	
Temperature	Thermometer, Thermocouples, Temperature transducers	(-20 to 140) °C	0.75 °C	Euramet Calibration Guide 8:2020	P
		(> 140 to 400) °C	1.9 °C		
		(> 400 to 600) °C	2.7 °C		
	IR Thermometer	(-15 to 0) °C	1.8 °C	ASTM E2847:2014	
	(> 0 to 120) °C	1.1 °C			
Electrical	AC Voltage 10 to 20 kHz	0 to 20 mV	0.014 mV	Euramet cg-15:2015	P
		20 to 200 mV	0.14 mV		
		0.2 to 2 V	3.4 mV		
		2 to 20 V	0.014 V		
		20 to 200 V	0.14 V		
		200 to 700 V	0.7 V		

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Electrical	DC Voltage	0 to 20 mV	0.006 mV	Euramet cg-15 :2015	P
		20 to 200 mV	0.021 mV		
		0.2 to 2 V	0.061 mV		
		2 to 20 V	0.54 mV		
		20 to 200 V	0.014 V		
		200 to 1000 V	0.097 V		
	AC Current 20 Hz to 1 kHz	0.2 to 2 A	0.6 mA	Euramet cg-15 :2015	P
		0 to 20 A	19 mA		
		20 to 50 A	0.5 A		
		50 to 100 A	0.8 A		
		100 to 300 A	2.1 A		
		Up to 1000 A	5.8 A		
	DC Current	0 to 2 mA	0.34 µA	Euramet cg-15 :2015	P
		2 to 20 mA	2.1 µA		
		20 to 200 mA	23 µA		
		0.2 to 2 A	0.6 mA		
		2 to 20 A	3.9 mA		
		20 to 50 A	0.5 A		
		50 to 100 A	0.8 A		
		100 to 300 A	2.0 A		
300 to 500 A		3.0 A			
Up to 1000 A		5.8 A			

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Electrical	Decade Resistance	1 Ω	0.2 Ω	Euramet cg-15 :2015	P
		10 Ω	0.2 Ω		
		100 Ω	0.2 Ω		
		1 kΩ	3.0 Ω		
		10 kΩ	20 Ω		
		100 kΩ	200 Ω		
		1 MΩ	3 kΩ		
		10 MΩ	20 kΩ		
END					