

Accreditation Scope

**Accura Instrumentation and Calibration L.L.C, NAL 164
Calibration Laboratory, (ISO/IEC 17025:2017)**

Mussafah - M44, Abudhabi, UAE

Issue Date: 09/09/2021

Expiry Date: 08/09/2024

Issue No: 01

Calibration Field/ Quantity/ Property	Measurand / Equipment	Measuring Range	CMC (k=2)	Calibration Method (Standard/ Internal Procedure)	Permanent lab (P) / Client-site (S)
Electrical - Source	DC Voltage	1 to 100 mV	36 μ V	Euramet cg-15:2015	P
		> 0.1 to 1 V	0.36 mV		
		> 1 to 10 V	3.6 mV		
		> 10 to 100 V	36 mV		
		> 0.1 to 1 kV	0.40 V		
	AC Voltage	@ (50, 60 & 400) Hz		Euramet cg-15:2015	P
		10 to 100 mV	0.23 mV		
		> 0.1 to 1 V	2 mV		
		> 1 to 10 V	21 mV		
		> 10 to 100 V	0.21 V		
	DC Current	0.1 to 1 mA	1.8 μ A	Euramet cg-15:2015	P
		> 1 to 10 mA	18 μ A		
		> 10 to 100 mA	0.18 mA		
		> 0.1 to 1 A	1.8 mA		
		> 1 to 10 A	37 mA		
	AC Current	@ (50, 60 & 400) Hz		Euramet cg-15:2015	P
		0.1 to 1 mA	3.7 μ A		
		> 1 to 10 mA	25 μ A		
		> 10 to 100 mA	0.37 mA		
		> 0.1 to 1 A	3.4 mA		
	Resistance	1 to < 100 Ω	0.2 Ω	Euramet cg-15:2015	P
		0.1 to < 1 k Ω	7.1 Ω		
		1 to < 10 k Ω	17 Ω		
		10 to < 100 k Ω	22 Ω		
0.1 to < 1 M Ω		6.2 k Ω			
		1 to < 10 M Ω	20 k Ω		

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Electrical - Measure	AC Voltage	@ (20 Hz to 1 MHz)		AIC-WI-EL-01	P
		1 to 200 mV	0.15 mV		
		> 0.2 to 2 V	1.5 mV		
		> 2 to 20 V	31 mV		
		> 20 to 200 V	0.36 V		
		> 200 to 750 V	1.1 V		
	DC Voltage	1 to 200 mV	12 μ V	AIC-WI-EL-01	P
		> 0.2 to 2 V	0.1 mV		
		> 2 to 20 V	1.0 mV		
		> 20 to 200 V	10 mV		
		> 0.2 to 1 kV	0.06 V		
	AC Current	@ (20 Hz to 1 MHz)		AIC-WI-EL-01	P
		1 to 20 mA	42 μ A		
		> 20 to 200 mA	0.42 mA		
		> 0.2 to 2 A	4.3 mA		
		> 2 to 10 A	21 mA		
	DC Current	1 to 200 μ A	2.3 μ A	AIC-WI-EL-01	P
		> 0.2 to 2 mA	2.4 μ A		
		> 2 to 20 mA	11 μ A		
		> 20 to 200 mA	0.11 mA		
		> 0.2 to 2 A	1.8 mA		
		> 2 to 10 A	15 mA		
	Resistance - Measure	1 to 200 Ω	0.18 Ω	AIC-WI-EL-01	P
> 0.2 to 2 k Ω		0.62 Ω			
> 2 to 200 k Ω		0.05 k Ω			
> 0.2 to 2 M Ω		2.3 k Ω			
> 2 to 20 M Ω		55 k Ω			
> 20 to 100 M Ω		0.13 M Ω			

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Electrical - Measure	Frequency	1 to 20 Hz	0.04 Hz	AIC-WI-EL-01	P
		> 0.2 to 20 kHz	36 Hz		
		> 20 to 200 kHz	0.36 kHz		
		> 0.2 to 1 MHz	1.8 kHz		
Pressure	Vacuum	(-0.85 to 0) bar	1 mbar + 2%	AIC-WI-PR-01	P
	Pneumatic pressure gauge, Differential Pressure, transducers, transmitters, chart recorders	0 to 2.4 bar	1 mbar + 2%		
	Hydraulic pressure gauge, transducers, transmitters, chart recorders	0 to 700 bar	1 mbar + 1%		
END					