

Accreditation Scope

Al Waha Al Khadhra Calibration Weights & Metrology, NAL 136
Calibration Laboratory, (ISO/IEC 17025:2017)

Industrial Area 15, Sharjah, UAE

Issue Date: 08-04-2021

Expiry Date: 05-02-2023

Issue No: 02

Calibration Field/ Quantity/ Property	Measurand / Equipment	Measuring Range	CMC (k=2)	Calibration Method (Standard/ Internal Procedure)	Permanent lab (P) / Client-site (S)
Pressure (Vacuum)	Pressure Gauges, Pressure Transducers	(0 to -0.6) bar	2 %	WI-1: 2019	P / S
Pressure (Hydraulic)	Pressure Gauges, Pressure Transducers	0 to 700 bar	0.5 %	WI-1: 2019	P / S
Electrical (Source Mode)	DC Voltage	1 to 1000 V	0.3 %	WI-18: 2020	P
	AC Voltage @ (50, 60) Hz	1 to 1000 V	0.2 %		
	AC Current @ (50, 60) Hz	1 mA to 10 A	0.4 %		
	DC Current	1 mA to 10 A	0.6%		
	Resistance	0.1 Ω to 90 MΩ	2 %		
	Frequency	0 to 999.9 Hz	0.2 %		
	AC Current @ (50, 60) Hz	(> 10 to 1000) A	3 %	WI-19: 2020	
	DC Current	(> 10 to 1000) A	3 %		
	Insulation tester	0.25 MΩ at 250 V	0.01 MΩ	WI-20: 2020	P / S
		0.50 MΩ at 500 V	0.01 MΩ		
1.0 MΩ at 1 kV		0.01 MΩ			
9 MΩ at 1 kV		0.09 MΩ			
90 MΩ at 1 kV		1.2 MΩ			
Electrical (Measure Mode)	DC Voltage	1 to 1000 V	0.1 %	WI-21: 2020	P
	AC Voltage @ (50, 60) Hz	1 to 1000 V	0.2 %		
	AC Current @ (50, 60) Hz	1 to 10 A	0.2 %		
	DC Current	1 to 10 A	0.2 %		
	Resistance	0.1 Ω to 90 MΩ	0.1 %		
	Frequency	0 to 999.9 Hz	0.1 %		

Accreditation Scope

Al Waha Al Khadhra Calibration Weights & Metrology, NAL 136
Calibration Laboratory, (ISO/IEC 17025:2017)

Industrial Area 15, Sharjah, UAE

Issue Date: 08-04-2021

Expiry Date: 05-02-2023

Issue No: 02

Calibration Field/ Quantity/ Property	Measurand / Equipment	Measuring Range	CMC (k=2)	Calibration Method (Standard/ Internal Procedure)	Permanent lab (P) / Client-site (S)
Dimension	Vernier Caliper	0 to 600 mm	0.02 mm	WI-8: 2020	P / S
	Outside Micrometer	0 to 100 mm	4 µm	WI-10: 2020	
	Dial Indicator	0 to 100 mm	4 µm	WI-11: 2020	
Mass	Weighing Balance	1 mg to 500 kg	0.05 %	WI-17: 2020	P / S
Acoustic	Sound Level Meter	94, 114 dB	1.0 dB	WI-23: 2020	P / S
Temperature - Simulation	Thermocouple - Type E	-200 to 950 °C	3.0 °C	WI-5: 2020	P / S
	Thermocouple - Type J	-200 to 1200 °C	1.5 °C		
	Thermocouple - Type K	-200 to 1370 °C	2.0 °C		
	Thermocouple - Type T	-200 to 400 °C	1.5 °C		
	Thermocouple - Type RTD-100 Ω	-200 to 800 °C	3 °C		
Temperature	Temperature Indicator, Thermometer, Thermocouple, Chart Recorder, Temperature Gauges	-40 to 200 °C	0.8 °C	WI-2: 2020	P / S
		> 200 to 600 °C	1.5 °C		
	Oven – 9 points	50 to 200 °C	0.9 °C	WI-14: 2020	S
	Chiller – 9 points	0 to 30 °C	0.9 °C		
	Freezer – 9 points	-20 to 0 °C	0.9 °C		
	IR Thermometer	50 to 500 °C	8 °C	WI-13: 2020	P
	Glass thermometer	-40 to 20 °C	0.6 °C	WI-15: 2020	P
	Dry block	-40 to 400 °C	0.6 °C	WI-4: 2020	P
> 400 to 600 °C		0.9 °C			
END					