



Accreditation Scope

METROMAC AUTOMATION CALIBRATION LAB L.L.C., NAL 004
Calibration Laboratory, (ISO/IEC 17025:2017)

Plot No 6, M32 | Mussafah Industrial Area, | Abu Dhabi, U A E PO Box: 9270 , Abu Dhabi, United Arab Emirates

Issue Date: 08/09/2025

Expiry Date: 01/09/2028

Issue No: 11

Calibration Field/ Quantity/ Property	Measurand / Equipment	Measurement Range	Expanded Measurement Uncertainty (k=2)	Calibration Method (Standard/ Internal Procedure)	Permanent lab (P)/Client- site
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	0.2 nF to 100 mF	0.5 % of Reading	Metromac WI- C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	Frequency	100 Hz to 2 MHz	0.2 % of Reading	Metromac WI- C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	Temperature simulation	RTD – 4 wires (PT 100)	0.1 °C	Metromac WI- C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	Temperature simulation	(-200 to 800) °C	0.1 °C	Metromac WI- C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	Temperature simulation	Type K (-200 to 1370) °C	0.5 °C	Metromac WI- C51:2025	P

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



Accreditation Scope

METROMAC AUTOMATION CALIBRATION LAB L.L.C., NAL 004
Calibration Laboratory, (ISO/IEC 17025:2017)

Plot No 6, M32 | Mussafah Industrial Area, | Abu Dhabi, U A E PO Box: 9270 , Abu Dhabi, United Arab Emirates

Issue Date: 08/09/2025

Expiry Date: 01/09/2028

Issue No: 11

Electricity. Magnetism. Electrical and magnetic measurements	Temperature simulation	Type J (-210 to 1200) °C	1 °C	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage	10 µV to 1 V	0.01 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage	1 V to 1000 V	0.005 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage	(1 to 33) mV 50 Hz to 10 kHz	0.1 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage	(1 to 33) mV > 10 kHz to 100 kHz	0.9 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage	33mV to 1020 V @ (50 Hz to 100 kHz)	0.1 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	AC Current	50 µA - 3.3 mA @ (45 Hz - 1 kHz)	0.2 % of Reading	Metromac WI-C51:2025	P

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



Accreditation Scope

METROMAC AUTOMATION CALIBRATION LAB L.L.C., NAL 004
Calibration Laboratory, (ISO/IEC 17025:2017)

Plot No 6, M32 | Mussafah Industrial Area, | Abu Dhabi, U A E PO Box: 9270 , Abu Dhabi, United Arab Emirates

Issue Date: 08/09/2025

Expiry Date: 01/09/2028

Issue No: 11

Electricity. Magnetism. Electrical and magnetic measurements	AC Current	> 3.3 mA - 3 A @ (45 Hz - 10 kHz)	0.1 % of Reading	Metromac WI- C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	AC Current	(> 3 to 10) A @ (45 Hz - 1 kHz)	0.1 % of Reading	Metromac WI- C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	AC Current	(> 10 – 150) A @(45 Hz - 65 Hz)	0.6 % + 0.3 A	Metromac WI- C129:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	AC Current	(>150 - 1000) A @ (45 Hz - 65 Hz)	0.6 % + 1 A	Metromac WI- C129:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	DC Current	10 µA – 330 mA	0.03 % of Reading	Metromac WI- C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	DC Current	(> 0.33 - 3.3) A	0.05 % of Reading	Metromac WI- C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	DC Current	(> 3.3 - 10) A	0.08 % of Reading	Metromac WI- C51:2025	P

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



Accreditation Scope

METROMAC AUTOMATION CALIBRATION LAB L.L.C., NAL 004
Calibration Laboratory, (ISO/IEC 17025:2017)

Plot No 6, M32 | Mussafah Industrial Area, | Abu Dhabi, U A E PO Box: 9270 , Abu Dhabi, United Arab Emirates

Issue Date: 08/09/2025

Expiry Date: 01/09/2028

Issue No: 11

Electricity. Magnetism. Electrical and magnetic measurements	DC Current	(> 10 - 150) A	0.5 % + 0.2 A	Metromac WI-C129:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	DC Current	(> 150 - 1000) A	0.5 % + 0.5 A	Metromac WI-C129:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	Resistance	1 Ω to 1 k Ω	0.1 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	Resistance	> 1 k Ω - 1 M Ω	0.006 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	Resistance	> 1 M Ω - 1 G Ω	0.06 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	Resistance	1 M Ω - 2 G Ω	0.3 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	Insulation testers	1 M Ω to 10 G Ω	0.5 % of Reading	Metromac WI-C128:2025	P

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



Accreditation Scope

METROMAC AUTOMATION CALIBRATION LAB L.L.C., NAL 004
Calibration Laboratory, (ISO/IEC 17025:2017)

Plot No 6, M32 | Mussafah Industrial Area, | Abu Dhabi, U A E PO Box: 9270 , Abu Dhabi, United Arab Emirates

Issue Date: 08/09/2025

Expiry Date: 01/09/2028

Issue No: 11

Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	0.9 nF to 90 mF	0.5 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	Frequency	5 Hz to 900 kHz	0.2 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (Source Measurement)	10 mV – 1 kV	0.02 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage (Source Measurement)	(0 - 1) kV	0.02 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Source Measurement)	10 Ω – 1 G Ω	0.1 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	AC / DC Current (Source Measurement)	100 μ A to 20 A	0.1 % of Reading	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	AC / DC Current (Source Measurement)	(> 20 – 1000) A	2 % of Reading	Metromac WI-C129:2025	P

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشف أو تغيير في هذه الشهادة يلغيها.



Accreditation Scope

METROMAC AUTOMATION CALIBRATION LAB L.L.C., NAL 004
Calibration Laboratory, (ISO/IEC 17025:2017)

Plot No 6, M32 | Mussafah Industrial Area, | Abu Dhabi, U A E PO Box: 9270 , Abu Dhabi, United Arab Emirates

Issue Date: 08/09/2025

Expiry Date: 01/09/2028

Issue No: 11

Electricity. Magnetism. Electrical and magnetic measurements	Temperature simulation (Source Measurement)	RTD (-200 to 800) °C	0.1 °C	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	Temperature simulation (Source Measurement)	Type K (-200 to 1370) °C	0.5 °C	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	Temperature simulation (Source Measurement)	Type J (-210 to 1200) °C	1 °C	Metromac WI-C51:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	DC High Voltage (Source Measurement)	1 kV to 40 kV	0.5 % of Reading	Metromac WI-C201:2025	P
Electricity. Magnetism. Electrical and magnetic measurements	AC High Voltage (Source Measurement)	1 kV to 28 kV	3 % of Reading	Metromac WI-C201:2025	P
Linear and angular measurements	Outside Micrometers	(1 - 100) mm	2 µm	Metromac WI-C53:2022	P
Linear and angular measurements	Outside Micrometers	(> 100 - 300) mm	20 µm	Metromac WI-C53:2022	P
Linear and angular measurements	Dial Gauges	(0 - 10) mm	3 µm	Metromac WI-C126:2022	P

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



Accreditation Scope

METROMAC AUTOMATION CALIBRATION LAB L.L.C., NAL 004
Calibration Laboratory, (ISO/IEC 17025:2017)

Plot No 6, M32 | Mussafah Industrial Area, | Abu Dhabi, U A E PO Box: 9270 , Abu Dhabi, United Arab Emirates

Issue Date: 08/09/2025

Expiry Date: 01/09/2028

Issue No: 11

Linear and angular measurements	Dial Gauges	(> 10 - 25) mm	12 µm	Metromac WI-C126:2022	P
Linear and angular measurements	Steel Ruler	0-1000 mm	0.5 mm	Metromac WI-C148:2023	P
Linear and angular measurements	Measuring Tape	(0 – 50) m	(0.3 + 0.2 L) mm, Where L in meter	Metromac WI-C148:2023	P
Linear and angular measurements	Vernier Calipers	(0 to 300) mm	30 µm	Metromac WI-C08:2025	P
Linear and angular measurements	Vernier Calipers	(300 to 600) mm	50 µm	Metromac WI-C08:2025	P
Linear and angular measurements	Height Gauge	(0 - 600) mm	30 µm	Metromac WI-C160:2025	P
Linear and angular measurements	Thicknes Gauge	0-100 mm	5 µm	Metromac WI-C178:2023	P
Measurement of volume, mass, density, viscosity	Micropipettes	(10 - 100) µl	0.09 µl	Metromac WI-C82:2025	P
Measurement of volume, mass, density, viscosity	Micropipettes	(0.1 - 1) ml	0.39 µl	Metromac WI-C82:2025	P
Measurement of volume, mass, density, viscosity	Micropipettes	(1 - 10) ml	3.8 µl	Metromac WI-C82:2025	P

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



Accreditation Scope

METROMAC AUTOMATION CALIBRATION LAB L.L.C., NAL 004
Calibration Laboratory, (ISO/IEC 17025:2017)

Plot No 6, M32 | Mussafah Industrial Area, | Abu Dhabi, U A E PO Box: 9270 , Abu Dhabi, United Arab Emirates

Issue Date: 08/09/2025

Expiry Date: 01/09/2028

Issue No: 11

Measurement of volume, mass, density, viscosity	Volumetric Cylinder	0 - 5000 ml	1 ml	Metromac WI-C180:2023	P
Measurement of force, weight and pressure	Digital Weighing Balance	(0.001 to 21) g	0.09 mg	Metromac WI-C83:2025	S
Measurement of force, weight and pressure	Digital Weighing Balance	(> 21 to 220) g	0.24 mg	Metromac WI-C83:2025	S
Measurement of force, weight and pressure	Digital Weighing Balance	(> 0.22 to 1) kg	1.6 mg	Metromac WI-C83:2025	S
Measurement of force, weight and pressure	Digital Weighing Balance	(> 1 to 6.2) kg	0.03 g	Metromac WI-C83:2025	S
Measurement of force, weight and pressure	Digital Weighing Balance	(> 6.2 to 30) kg	0.64 g	Metromac WI-C83:2025	S
Measurement of force, weight and pressure	Digital Weighing Balance	(> 30 to 300) kg	18 g	Metromac WI-C83:2025	S
Measurement of force, weight and pressure	Digital Weighing Balance	(> 300 to 500) kg	71 g	Metromac WI-C83:2025	S

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



Accreditation Scope

METROMAC AUTOMATION CALIBRATION LAB L.L.C., NAL 004
Calibration Laboratory, (ISO/IEC 17025:2017)

Plot No 6, M32 | Mussafah Industrial Area, | Abu Dhabi, U A E PO Box: 9270 , Abu Dhabi, United Arab Emirates

Issue Date: 08/09/2025

Expiry Date: 01/09/2028

Issue No: 11

Measurement of volume, mass, density, viscosity	Standard Weights	(1) kg	20 mg	Metromac WI-C150:2022, based on OIML R 111-1:2004	P
Measurement of volume, mass, density, viscosity	Standard Weights	(2) kg	30 mg	Metromac WI-C150:2022, based on OIML R 111-1:2004	P
Measurement of volume, mass, density, viscosity	Standard Weights	(5) kg	80 mg	Metromac WI-C150:2022, based on OIML R 111-1:2004	P
Measurement of volume, mass, density, viscosity	Standard Weights	(10) kg	0.16 g	Metromac WI-C150:2022, based on OIML R 111-1:2004	P
Measurement of volume, mass, density, viscosity	Standard Weights	(20) kg	0.3 g	Metromac WI-C150:2022, based on OIML R 111-1:2004	P
Measurement of volume, mass, density, viscosity	Density/Specific Gravity Meter	(0.6 to 2) g/cm3	0.0005 g/cm3	Metromac WI-C143:2023	P/S

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



Accreditation Scope

METROMAC AUTOMATION CALIBRATION LAB L.L.C., NAL 004
Calibration Laboratory, (ISO/IEC 17025:2017)

Plot No 6, M32 | Mussafah Industrial Area, | Abu Dhabi, U A E PO Box: 9270 , Abu Dhabi, United Arab Emirates

Issue Date: 08/09/2025

Expiry Date: 01/09/2028

Issue No: 11

pH	pH Meter	4,7 & 10 pH	0.05 pH	Metromac WI-C159:2025	P/S
Flow	Air/Gas Flow meter	(0.03 to 6) m3/h	0.5 % of Reading	Metromac WI-C102:2025	P
Flow	Liquid Flow Meter	(0.05 to 50) m3/h	0.5 % of Reading	Metromac WI-C102:2025	P
Measurement of force, weight and pressure	Hydraulic Pressure Gauges/Pressure Transducer/ Transmitter	(0 - 60) bar (> 60 - 700) bar (> 700 - 1200) bar (> 1200 - 4000) bar	0.03 bar 0.2 bar 0.4 bar 2 bar	Metromac WI-C50:2025	P / S
Measurement of force, weight and pressure	Pneumatic Pressure Gauges /Pressure Transducer/ Transmitter	(0 - 7) bar (> 7 - 70) bar (> 70 - 100) bar	0.003 bar 0.005 bar 0.01 bar	Metromac WI-C52:2023	P/S
Measurement of force, weight and pressure	Absolute Pressure Meter/Barometer	300 to 1200 mbar	0.5 mbar	Metromac WI-C177:2023	P
Measurement of force, weight and pressure	Vacuum Gauges	(-0.8 to 0) bar	0.003 bar	Metromac WI-C72:2025	P/S
Thermodynamics and temperature measurements	IR Thermometer	(-30 to 50) °C (> 50 to 200) °C (> 200 to 500) °C	1°C 2°C 3°C	Metromac WI-C147:2023	P

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



Accreditation Scope

METROMAC AUTOMATION CALIBRATION LAB L.L.C., NAL 004
Calibration Laboratory, (ISO/IEC 17025:2017)

Plot No 6, M32 | Mussafah Industrial Area, | Abu Dhabi, U A E PO Box: 9270 , Abu Dhabi, United Arab Emirates

Issue Date: 08/09/2025

Expiry Date: 01/09/2028

Issue No: 11

Thermodynamics and temperature measurements	RTD with Readout/Thermometer Transmitter	(-40 to 100) °C (> 100 to 250) °C (> 250 to 420) °C	0.2 °C 0.3 °C 0.4 °C	Metromac WI-C68:2025	P / S
Thermodynamics and temperature measurements	Thermocouple with Readout	(-40 to 100) °C (> 100 to 250) °C (> 250 to 420) °C	0.3 °C 0.4 °C 0.5 °C	Metromac WI-C68:2025	P / S
Thermodynamics and temperature measurements	Temperature/Humidity Meter, Data Loggers	(5 to 50) °C (20 to 80) % RH	0.4 °C 1.2 % RH	Metromac WI-C157:2025	P
Thermodynamics and temperature measurements	Dry Block Calibrator	(-40 to 150) °C (150 to 600) °C	0.4 °C 0.6 °C	Metromac WI-C161:2025	P
Thermodynamics and temperature measurements	Glass Thermometer	(-40 to 150) °C	0.2 °C	Metromac WI-C88:2025	P
Thermodynamics and temperature measurements	9 points measurement (Oven, Freezer, Chiller, Incubator)	(-30 to 250) °C	2 °C	Metromac WI-C81:2025	S
Thermodynamics and temperature measurements	5 points measurements - Liquid Bath	(-30 to 150) °C	2 °C	Metromac WI-C100:2025	S
Measurement of force, weight and pressure	Tension - Load Cell Tension - Force Gauge	(2 to 200) kN	0.5 % of Reading	Metromac WI-C69:2024	P

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



Accreditation Scope

METROMAC AUTOMATION CALIBRATION LAB L.L.C., NAL 004
Calibration Laboratory, (ISO/IEC 17025:2017)

Plot No 6, M32 | Mussafah Industrial Area, | Abu Dhabi, U A E PO Box: 9270 , Abu Dhabi, United Arab Emirates

Issue Date: 08/09/2025

Expiry Date: 01/09/2028

Issue No: 11

Measurement of force, weight and pressure	Torque Wrenches	(1.2 - 200) Nm (200 - 1500) Nm	1.5 % of Reading 1.0 % of Reading	Metromac WI-C127:2025	P
Rotational speed	Tachometer (No Contact)	(60 - 100000) rpm	1 rpm + 0.015%	Metromac WI-C149:2023	P
Rotational speed	Tachometer (Direct Contact)	(60 - 7000) rpm	2 rpm + 0.045%	Metromac WI-C149:2023	P
Time	Stop Watch	(0 - 24) h	0.5 s	Metromac WI-C138:2025	P
Noise & Sound	Sound Level Calibrator	(94 & 114) dB	0.4 dB	Metromac WI-C158:2025	P
Noise & Sound	Sound Level meter	(94 & 114) dB	0.6 dB	Metromac WI-C158:2025	P
Gas	Gas Detectors	0-25 ppm H ₂ S	8 % of Reading	Metromac WI-C179:2023	P/S
Gas	Gas Detectors	0-30 % O ₂	3.1 % of Reading	Metromac WI-C179:2023	P/S
Gas	Gas Detectors	0-100 ppm CO	8 % of Reading	Metromac WI-C179:2023	P/S
Gas	Gas Detectors	0-50 % LEL	3.1 % of Reading	Metromac WI-C179:2023	P/S
Linear and angular measurements	Angle Meter/Spirit Level/Cliно Meter	0-45°	0.1°	Metromac WI-C140:2024	P
Linear and angular measurements	Distance Meter	0.2 m to 10 m	5 mm	Metromac WI-C139:2024	P

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



Accreditation Scope

METROMAC AUTOMATION CALIBRATION LAB L.L.C., NAL 004
Calibration Laboratory, (ISO/IEC 17025:2017)

Plot No 6, M32 | Mussafah Industrial Area, | Abu Dhabi, U A E PO Box: 9270 , Abu Dhabi, United Arab Emirates

Issue Date: 08/09/2025

Expiry Date: 01/09/2028

Issue No: 11

Measurement of force, weight and pressure	Safety Valve/Switch	1 to 1000 bar (up to 16 inch)	1% of Reading	Metromac WI-C17:2024	P/S
END					

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification.



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.