



# Accreditation Scope

MIDDLE EAST CALIBRATION LAB L.L.C, NAL110  
Calibration Laboratory, (ISO/IEC 17025:2017)

Sharjah-Industrial No.6/Sharjah-behind the third Industrial Street-Shubra No.2 owned by Sheikh Abdulaziz Muhammad Al-Majed Al-Ma'al, Sharjah, United Arab Emirates

Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Calibration Field/ Quantity/ Property	Measurand / Equipment	Measurement Range	Expanded Measurement Uncertainty (k=2)	Calibration Method (Standard/ Internal Procedure)	Permanent lab (P)/Client- site
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	0.001 g	0.00002 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	0.002 g	0.00002 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	0.005 g	0.00002 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	0.01 g	0.00002 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	0.02 g	0.00003 g	Internal Procedure: MEM-WP-01: 2023	S

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Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	0.05 g	0.00004 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	0.1 g	0.00005 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	0.2 g	0.00006 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	0.5 g	0.00008 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	1 g	0.00009 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	2 g	0.00012 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	5 g	0.00015 g	Internal Procedure: MEM-WP-01: 2023	S

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Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>5 to 10 g	0.00018 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>10 to 20 g	0.00024 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>20 to 50 g	0.0003 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>50 to 100 g	0.00048 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>100 to 200 g	0.0009 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>200 to 500 g	0.0024 g	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>500 to 1000 g	0.0048 g	Internal Procedure: MEM-WP-01: 2023	S

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Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	1 kg	0.000015 kg	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>1 to 2 kg	0.00003 kg	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>2 to 4 kg	0.00006 kg	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>4 to 5 kg	0.000075 kg	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>5 to 10 kg	0.00015 kg	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>10 to 20 kg	0.0003 kg	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>20 to 40 kg	0.00066 kg	Internal Procedure: MEM-WP-01: 2023	S

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Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>40 to 100 kg	0.015 kg	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>100 to 200 kg	0.03 kg	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>200 to 500 kg	0.075 kg	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>500 to 1000 kg	0.15 kg	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>1000 to 2000 kg	1 kg	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>2000 to 3000 kg	1.5 kg	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>3000 to 5000 kg	2.5 kg	Internal Procedure: MEM-WP-01: 2023	S

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Measurement of volume, mass, density, viscosity	Non Automatic weighing instruments/Scales	>5000 to 10000 kg	5 kg	Internal Procedure: MEM-WP-01: 2023	S
Measurement of volume, mass, density, viscosity	Pallet Truck / Pallet Scale	0 to 500 kg	0.075 kg	Internal Procedure: MEM-WP-02: 2023	S
Measurement of volume, mass, density, viscosity	Pallet Truck / Pallet Scale	>500 to 1000 kg	0.15 kg	Internal Procedure: MEM-WP-02: 2023	S
Measurement of volume, mass, density, viscosity	Pallet Truck / Pallet Scale	>1000 to 2000 kg	0.9 kg	Internal Procedure: MEM-WP-02: 2023	S
Measurement of volume, mass, density, viscosity	Pallet Truck / Pallet Scale	>2000 to 3000 kg	1.35 kg	Internal Procedure: MEM-WP-02: 2023	S
Measurement of volume, mass, density, viscosity	Digital Hanging/Crane Scale	0 to 10 kg	0.00015 kg	Internal Procedure: MEM-WP-03: 2023	S
Measurement of volume, mass, density, viscosity	Digital Hanging/Crane Scale	>10 to 20 kg	0.0003 kg	Internal Procedure: MEM-WP-03: 2023	S

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Measurement of volume, mass, density, viscosity	Digital Hanging/Crane Scale	>20 to 40 kg	0.00066 kg	Internal Procedure: MEM-WP-03: 2023	S
Measurement of volume, mass, density, viscosity	Digital Hanging/Crane Scale	>40 to 100 kg	0.015 kg	Internal Procedure: MEM-WP-03: 2023	S
Measurement of volume, mass, density, viscosity	Digital Hanging/Crane Scale	>100 to 200 kg	0.03 kg	Internal Procedure: MEM-WP-03: 2023	S
Measurement of volume, mass, density, viscosity	Digital Hanging/Crane Scale	>200 to 500 kg	0.075 kg	Internal Procedure: MEM-WP-03: 2023	S
Measurement of volume, mass, density, viscosity	Digital Hanging/Crane Scale	>500 to 1000 kg	0.15 kg	Internal Procedure: MEM-WP-03: 2023	S
Measurement of volume, mass, density, viscosity	Digital Hanging/Crane Scale	>1000 to 2000 kg	0.9 kg	Internal Procedure: MEM-WP-03: 2023	S
Measurement of volume, mass, density, viscosity	Digital Hanging/Crane Scale	>2000 to 3000 kg	1.35 kg	Internal Procedure: MEM-WP-03: 2023	S

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Measurement of volume, mass, density, viscosity	Digital Hanging/Crane Scale	>3000 to 5000 kg	2.25 kg	Internal Procedure: MEM-WP-03: 2023	S
Measurement of volume, mass, density, viscosity	Tank Scale / Batching Plants	(0 to 40) kg	0.006 kg	Internal Procedure: MEM-WP-04: 2023	S
Measurement of volume, mass, density, viscosity	Tank Scale / Batching Plants	(> 40 to 1000) kg	0.15 kg	Internal Procedure: MEM-WP-04: 2023	S
Measurement of volume, mass, density, viscosity	Tank Scale / Batching Plants	(> 1000 to 2000) kg	0.9 kg	Internal Procedure: MEM-WP-04: 2023	S
Measurement of volume, mass, density, viscosity	Tank Scale / Batching Plants	(> 2000 to 5000) kg	2.25 kg	Internal Procedure: MEM-WP-04: 2023	S
Measurement of volume, mass, density, viscosity	Tank Scale / Batching Plants	(> 5000 to 10000) kg	4.5 kg	Internal Procedure: MEM-WP-04: 2023	S
Measurement of volume, mass, density, viscosity	Conventional Mass F1 Class	200 mg	0.02 mg	Internal Procedure: MEM-WP-18A: 2025	P

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Measurement of volume, mass, density, viscosity	Conventional Mass F1 Class	500 mg	0.02 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F1 Class	1 g	0.03 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F1 Class	2 g	0.04 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F1 Class	5 g	0.05 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F1 Class	10 g	0.06 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F1 Class	20 g	0.08 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F1 Class	50 g	0.10 mg	Internal Procedure: MEM-WP-18A: 2025	P

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Measurement of volume, mass, density, viscosity	Conventional Mass F1 Class	100 g	0.16 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F1 Class	200 g	0.30 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	(1 to 10) mg	0.02 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	20 mg	0.03 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	50 mg	0.04 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	100 mg	0.05 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	200 mg	0.06 mg	Internal Procedure: MEM-WP-18A: 2025	P

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Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	500 mg	0.03 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	1 g	0.10 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	2 g	0.12 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	5 g	0.16 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	10 g	0.20 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	20 g	0.25 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	50 g	0.30 mg	Internal Procedure: MEM-WP-18A: 2025	P

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Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	100 g	0.50 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	200 g	1.0 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass M1 & Lower Class or unknown weights	500 g	10 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass M1 & Lower Class or unknown weights	1 kg	10 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	2 kg	10 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass F2 & Lower Class or unknown weights	5 kg	30 mg	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Conventional Mass M1 & Lower Class or unknown weights	10 kg	0.1 g	Internal Procedure: MEM-WP-18A: 2025	P

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Measurement of volume, mass, density, viscosity	Conventional Mass M1 & Lower Class or unknown weights	20 kg	0.3 g	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Newton weights	1 cN to 50 cN	0.0050 cN	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Newton weights	1 N	0.0001 N	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Newton weights	2 N	0.0002 N	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Newton weights	5 N	0.00053 N	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Newton weights	10 N	0.001 N	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Newton weights	20 N	0.002 N	Internal Procedure: MEM-WP-18A: 2025	P

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Measurement of volume, mass, density, viscosity	Newton weights	50 N	0.005 N	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Newton weights	100 N	0.01 N	Internal Procedure: MEM-WP-18A: 2025	P
Measurement of volume, mass, density, viscosity	Newton weights	200 N	0.02 N	Internal Procedure: MEM-WP-18A: 2025	P
Thermodynamics and temperature measurements	Lux Meters	(20 to 50000) lux	1.5% x I	Internal Procedure: MEM-WP-10A: 2022	P
Acoustics and acoustic measurements	Sound Level Meters	94 dB, 114 dB	0.4 dB	Internal Procedure: MEM-WP-11A: 2023	P
Acoustics and acoustic measurements	Sound Level Calibrators	94 dB, 114 dB	0.4 dB	Internal Procedure: MEM-WP-11A: 2023	P
Measurement of volume, mass, density, viscosity	Rotameters/ Air Flow Meters	0.1 to 30 L/min	0.42% x I	Internal Procedure: MEM-WP-12A: 2022	P/S

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Measurement of time, velocity, acceleration, angular velocity	Anemometers/Air Velocity Meters	(0.1 to 0.6) m/s	0.2 m/s	Internal Procedure: MEM-WP-13A: 2023	P
Measurement of time, velocity, acceleration, angular velocity	Anemometers/Air Velocity Meters	(>0.6 to 6) m/s	0.6 m/s	Internal Procedure: MEM-WP-13A: 2023	P
Measurement of time, velocity, acceleration, angular velocity	Anemometers/Air Velocity Meters	(>6 to 10) m/s	1.2 m/s	Internal Procedure: MEM-WP-13A: 2023	P
Measurement of time, velocity, acceleration, angular velocity	Anemometers/Air Velocity Meters	(10 to 15) m/s	1.8 m/s	Internal Procedure: MEM-WP-13A: 2023	P
Measurement of time, velocity, acceleration, angular velocity	Anemometers/Air Velocity Meters	(15 to 20) m/s	2.3 m/s	Internal Procedure: MEM-WP-13A: 2023	P
Measurement of time, velocity, acceleration, angular velocity	Timers / Stop Watches	0.1 to 30 min	0.6 s	Internal Procedure: MEM-WP-14A: 2022	P/S
Measurement of time, velocity, acceleration, angular velocity	Timers / Stop Watches	>30 min to 24 h)	1.1 s	Internal Procedure: MEM-WP-14A: 2022	P/S

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Issue No: 4

Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Contact Mode)	0.1 to 10 rpm	0.92 rpm	Internal Procedure: MEM-WP-15A: 2023	P
Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Contact Mode)	>10 to 1000 rpm	2.0 rpm	Internal Procedure: MEM-WP-15A: 2023	P
Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Contact Mode)	>1000 to 10000 rpm	7.4 rpm	Internal Procedure: MEM-WP-15A: 2023	P
Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Non-Contact Mode)	0.1 to 10 rpm	0.92 rpm	Internal Procedure: MEM-WP-15A: 2023	P
Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Non-Contact Mode)	>10 to 1000 rpm	2.0 rpm	Internal Procedure: MEM-WP-15A: 2023	P
Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Non-Contact Mode)	>1000 to 10000 rpm	7.4 rpm	Internal Procedure: MEM-WP-15A: 2023	P
Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Non-Contact Mode)	>10000 to 30000 rpm	21 rpm	Internal Procedure: MEM-WP-15A: 2023	P

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# Accreditation Scope

MIDDLE EAST CALIBRATION LAB L.L.C, NAL110  
Calibration Laboratory, (ISO/IEC 17025:2017)

Sharjah-Industrial No.6/Sharjah-behind the third Industrial Street-Shubra No.2 owned by Sheikh Abdulaziz Muhammad Al-Majed Al-Ma'al, Sharjah, United Arab Emirates

Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Non-Contact Mode)	>30000 to 100000 rpm	35 rpm	Internal Procedure: MEM-WP-15A: 2023	P
Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Source) (Non-Contact Mode)	0 to 1000 rpm	4.5 rpm	Internal Procedure: MEM-WP-15A: 2023	P/S
Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Source) (Non-Contact Mode)	>1000 to 30000 rpm	10 rpm	Internal Procedure: MEM-WP-15A: 2023	P/S
Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Source) (Non-Contact Mode)	>30000 to 50000 rpm	14 rpm	Internal Procedure: MEM-WP-15A: 2023	P/S
Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Source) (Non-Contact Mode)	>50000 to 100000 rpm	25 rpm	Internal Procedure: MEM-WP-15A: 2023	P/S
Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Source) (Contact Mode)	0.1 to 1000 rpm	2.3 rpm	Internal Procedure: MEM-WP-15A: 2023	P/S
Measurement of time, velocity, acceleration, angular velocity	rpm Meters/ Speed Indicators (Source) (Contact Mode)	>1001 to 10000 rpm	10 rpm	Internal Procedure: MEM-WP-15A: 2023	P/S

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Thermodynamics and temperature measurements	pH Meter	(4, 7, 10) pH	0.03 pH	Internal Procedure: MEM-WP-19A: 2022	P/S
Thermodynamics and temperature measurements	Conductivity Meter	( 0 to 200) mS/cm	$5.1 \times 10^{-3} \times C$	Internal Procedure: MEM-WP-19B: 2022	P/S
Thermodynamics and temperature measurements	TDS Meter	(0 to 99.9) * $10^{-12}$	$3.4 \times 10^{-3} \times$ TDS	Internal Procedure: MEM-WP-19B: 2022	P/S
Linear and angular measurements	Surface Plate	up to (2.4 x 1.6)m	4 $\mu$ m	Internal Procedure: MEM-WP-06: 2022	S
Linear and angular measurements	Vernier / Digital Caliper/ Caliper gauges	(0 to 300) mm	0.02 mm	Internal Procedure: MEM-WP-09B: 2022	P
Linear and angular measurements	Vernier / Digital Caliper /Caliper gauges	(> 300 to 600) mm	0.05 mm	Internal Procedure: MEM-WP-09B: 2022	P
Linear and angular measurements	Vernier / Digital Caliper	(> 0.6 to 1) m	0.08 mm	Internal Procedure: MEM-WP-09B: 2022	P

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Linear and angular measurements	Vernier / Digital Caliper	(> 1 to 1.5) m	0.1 mm	Internal Procedure: MEM-WP-09B: 2022	P
Linear and angular measurements	Vernier / Digital Caliper	(> 1.5 to 2.1) m	0.15 mm	Internal Procedure: MEM-WP-09B: 2022	P
Linear and angular measurements	Outside Micrometers (Analog & Digital)	(0 to 200) mm	2 $\mu$ m	Internal Procedure: MEM-WP-09A: 2023	P
Linear and angular measurements	Outside Micrometers (Analog & Digital)	(> 200 to 300) mm	3 $\mu$ m	Internal Procedure: MEM-WP-09A: 2023	P
Linear and angular measurements	Outside Micrometers (Analog & Digital)	(> 300 to 600) mm	5 $\mu$ m	Internal Procedure: MEM-WP-09A: 2023	P
Linear and angular measurements	Outside Micrometers (Analog & Digital)	(> 0.6 to 1) m	8 $\mu$ m	Internal Procedure: MEM-WP-09A: 2023	P
Linear and angular measurements	Outside Micrometers (Analog & Digital)	(> 1 to 1.5) m	16 $\mu$ m	Internal Procedure: MEM-WP-09A: 2023	P

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Linear and angular measurements	Outside Micrometers (Analog & Digital)	(> 1.5 to 2.1) m	19 µm	Internal Procedure: MEM-WP-09A: 2023	P
Linear and angular measurements	Height Gauges	(0.1 to 300) mm	3 µm	Internal Procedure: MEM-WP-09J: 2022	P
Linear and angular measurements	Height Gauges	(> 300 to 600) mm	6 µm	Internal Procedure: MEM-WP-09J: 2022	P
Linear and angular measurements	Height Gauges	(> 0.6 to 1) m	8 µm	Internal Procedure: MEM-WP-09J: 2022	P
Linear and angular measurements	Height Gauges	(> 1 to 1.5) m	16 µm	Internal Procedure: MEM-WP-09J: 2022	P
Linear and angular measurements	Height Gauges	(> 1.5 to 2.1) m	20 µm	Internal Procedure: MEM-WP-09J: 2022	P
Linear and angular measurements	Feeler Gauge	(0.01 to 2) mm	4 µm	Internal Procedure: MEM-WP-09D: 2022	P

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Linear and angular measurements	Protractor/Combination Square set/ Angle Gauges	0° to 90°	0.01°	Internal Procedure: MEM-WP-09F: 2022	P
Linear and angular measurements	Protractor/Combination Square set/ Angle Gauges	> 90° to 180°	0.02°	Internal Procedure: MEM-WP-09F: 2022	P
Linear and angular measurements	Protractor/Combination Square set/ Angle Gauges	> 180° to 360°	0.03°	Internal Procedure: MEM-WP-09F: 2022	P
Linear and angular measurements	Setting rods	(0.1 to 300) mm	3 µm	Internal Procedure: MEM-WP-09K: 2022	P
Linear and angular measurements	Setting rods	(>300 to 600) mm	6 µm	Internal Procedure: MEM-WP-09K: 2022	P
Linear and angular measurements	Setting rods	(>0.6 to 1) m	8 µm	Internal Procedure: MEM-WP-09K: 2022	P
Linear and angular measurements	Dial & Digital Indicators / LVDT	(0 to 10) mm	4 µm	Internal Procedure: MEM-WP-09C: 2022	P

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Linear and angular measurements	Dial & Digital Indicators / LVDT	(>10 to 50) mm	4 µm	Internal Procedure: MEM-WP-09C: 2022	P
Linear and angular measurements	Dial & Digital Indicators / LVDT	(>50 to 100) mm	5 µm	Internal Procedure: MEM-WP-09C: 2022	P
Linear and angular measurements	Thickness Gauges & Coating thickness gauge	(0.02 to 25) mm	3 µm	Internal Procedure: MEM-WP-09E: 2022	P
Linear and angular measurements	Depth Gauges / Depth Micrometers	0.1 to 300) mm	3 µm	Internal Procedure: MEM-WP-09M: 2022	P
Linear and angular measurements	Depth Gauges / Depth Micrometers	(>300 to 600) mm	6 µm	Internal Procedure: MEM-WP-09M: 2022	P
Linear and angular measurements	Depth Gauges / Depth Micrometers	(>0.6 to 1) m	8 µm	Internal Procedure: MEM-WP-09M: 2022	P
Linear and angular measurements	Depth Gauges / Depth Micrometers	(>1 to 1.5) m	16 µm	Internal Procedure: MEM-WP-09M: 2022	P

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Expiry Date: 30/12/2028

Issue No: 4

Linear and angular measurements	Steel Ruler	(0 to 2000) mm	0.3 mm	Internal Procedure: MEM-WP-09I: 2022	P
Linear and angular measurements	Measuring Tape	(0 to 2.1) m	0.3 mm	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Measuring Tape	(>2.1 to 4) m	0.6 mm	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Measuring Tape	(>4 to 6.1) m	0.9 mm	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Measuring Tape	(>6.1 to 8) m	1.2 mm	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Measuring Tape	(>8 to 10.1) m	1.5 mm	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Measuring Tape	(>10.1 to 12) m	1.8 mm	Internal Procedure: MEM-WP-09H: 2022	P

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Issue Date: 10/12/2025

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Issue No: 4

Linear and angular measurements	Measuring Tape	(>12 to 14.1) m	2.1 mm	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Measuring Tape	(>14.1 to 16) m	2.4 mm	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Measuring Tape	(>16 to 18.1) m	2.7 mm	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Measuring Tape	(>18.1 to 20) m	3.0 mm	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Measuring Tape	(>20 to 22.1) m	3.3 mm	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Measuring Tape	(>22.1 to 24) m	3.6 mm	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Measuring Tape	(>24 to 26.1) m	3.9 mm	Internal Procedure: MEM-WP-09H: 2022	P

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Linear and angular measurements	Measuring Tape	(>26.1 to 28) m	4.2 mm	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Measuring Tape	(>28 to 30.1) m	4.5 mm	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Measuring Tape	(>30.1 to 100) m	(4.5 +0.15*L) mm (L=Length in meter)	Internal Procedure: MEM-WP-09H: 2022	P
Linear and angular measurements	Bore Gauges (Two Point)	(0.001 to 50) mm	4 µm	Internal Procedure: MEM-WP-06B: 2022	P
Linear and angular measurements	Profile projector and Microscope	- Length and width: (0.001 to 300) mm - Angle: 0.0016° to 360° - Magnification	length: 4 µm Angle: 0.03 ° Magnification: 0.15%	Internal Procedure: MEM-WP-09V: 2022	P/S
Linear and angular measurements	Pin Gauge, Plain Plug gauge, thickness standards	(0.001 to 25) mm	0.002 mm	Internal Procedure: MEM-WP-09W: 2022	P/S

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Linear and angular measurements	Pin Gauge, Plain Plug gauge, thickness standards	(>25 to 150) mm	0.004 mm	Internal Procedure: MEM-WP-09W: 2022	P/S
Linear and angular measurements	Measurement using profile projector: - Length - Angle - Radius - Straightness - Thread Pitch - Profile Gauges - Aperture size of test sieve	Linear Measurement: Up to 300 mm Angle: 0.0016° to 360°	length: 4 µm Angle: 0.03 °	Internal Procedure: MEM-WP-09X: 2022	P
Linear and angular measurements	Straightness	(0.1 to 900) mm	0.006 mm	Internal Procedure: MEM-WP-09X: 2022	P/S
Linear and angular measurements	Measurements of Length, Thickness, Diameter/Radius, Depth	(0.1 to 200) mm	0.004 mm	Internal Procedure: MEM-WP-20D: 2022	P/S
Linear and angular measurements	Measurements of Length, Thickness, Diameter/Radius, Depth	(>200 to 300) mm	0.05 mm	Internal Procedure: MEM-WP-20D: 2022	P/S
Linear and angular measurements	Measurements of Length, Thickness, Diameter/Radius, Depth	(>200 to 600) mm	0.08 mm	Internal Procedure: MEM-WP-20D: 2022	P/S

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Linear and angular measurements	Measurements of Length, Thickness, Diameter/Radius, Depth	(>600 to 1000) mm	0.5 mm	Internal Procedure: MEM-WP-20D: 2022	P/S
Linear and angular measurements	Durometers	(10 to 50) Hardness Shore A & D	1 Shore Hardness	Internal Procedure: MEM-WP-21A: 2023	P
Linear and angular measurements	Durometers	(>50 to 90) Hardness Shore A & D	1.5 Shore Hardness	Internal Procedure: MEM-WP-21A: 2023	P
Thermodynamics and temperature measurements	Air Type Temp. Sensors/Data loggers	(-30 to 70) °C	0.3 °C	Internal Procedure: MEM-WP-05A: 2022	P
Thermodynamics and temperature measurements	Digital & Dial Thermometer / Temperature Sensor with indicator	(-30 to 150) °C	0.11 °C	Internal Procedure: MEM-WP-05A: 2025	P/S
Thermodynamics and temperature measurements	Digital & Dial Thermometer / Temperature Sensor with indicator	(50 to 200) °C	0.4 °C	Internal Procedure: MEM-WP-05A: 2025	P/S
Thermodynamics and temperature measurements	Digital & Dial Thermometer / Temperature Sensor with indicator	(200 to 400) °C	0.63 °C	Internal Procedure: MEM-WP-05A: 2025	P/S

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Issue Date: 10/12/2025

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Thermodynamics and temperature measurements	Digital & Dial Thermometer / Temperature Sensor with indicator	(>200 to °C 600) °C	0.97 °C	Internal Procedure: MEM-WP-05A: 2025	P/S
Thermodynamics and temperature measurements	Fridge/Freezer thermometers/ Temp.Data loggers/ Max Min Thermometer	(-30 to 70) °C	0.3 °C	Internal Procedure: MEM-WP-05A: 2025	P
Thermodynamics and temperature measurements	Oven, Incubator, Chiller, Freezer etc	(-20 to 50) °C	0.49 °C	Internal Procedure: MEM-WP-05B: 2022	P/S
Thermodynamics and temperature measurements	Oven, Incubator, Chiller, Freezer etc	(50 to 150) °C	0.6 °C	Internal Procedure: MEM-WP-05B: 2022	P/S
Thermodynamics and temperature measurements	Oven, Incubator, Chiller, Freezer etc	(150 to 250) °C	0.97 °C	Internal Procedure: MEM-WP-05B: 2022	P/S
Thermodynamics and temperature measurements	Water Bath/ Oil Bath	(-20 to 50) °C	0.15 °C	Internal Procedure: MEM-WP-05B: 2022	P/S
Thermodynamics and temperature measurements	Water Bath/ Oil Bath	(50 to 150) °C	0.41 °C	Internal Procedure: MEM-WP-05B: 2022	P/S

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Issue Date: 10/12/2025

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Thermodynamics and temperature measurements	Water Bath/ Oil Bath	(150 to 250) °C	0.67 °C	Internal Procedure: MEM-WP-05B: 2022	P/S
Thermodynamics and temperature measurements	Autoclave	(30 to 140) °C	0.12 °C	Internal Procedure: MEM-WP-05E: 2022	P/S
Thermodynamics and temperature measurements	Temperature Chart Recorder	(-30 to 100) °C	0.4 °C	Internal Procedure: MEM-WP-05A: 2022	P/S
Thermodynamics and temperature measurements	Furnace	(0 to 100) °C	0.6 °C	Internal Procedure: MEM-WP-05D: 2022	P/S
Thermodynamics and temperature measurements	Furnace	(>100 to 800) °C	2.9 °C	Internal Procedure: MEM-WP-05D: 2022	P/S
Thermodynamics and temperature measurements	Furnace	(>800 to 1100) °C	4.7 °C	Internal Procedure: MEM-WP-05D: 2022	P/S
Thermodynamics and temperature measurements	Humidity Chambers (single point)	(20 to 90) % RH @ 25 °C	2% RH	Internal Procedure: MEM-WP-05B: 2022	P/S

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Thermodynamics and temperature measurements	Hygrometers	(20 to 90) % RH @ 25 oC	3% RH	Internal Procedure: MEM-WP-05C: 2022	P
Measurement of force, weight and pressure	Pressure Gauges/Differential Pressure Gauges/ Switches/ Pressure Chart Recorders	(0 to 4) bar	4 mbar	Internal Procedure: MEM-WP-07A: 2022	P/S
Measurement of force, weight and pressure	Pressure Gauges/Differential Pressure Gauges/ Switches/ Pressure Chart Recorders	(> 1 to 12) bar	40 mbar	Internal Procedure: MEM-WP-07A: 2022	P/S
Measurement of force, weight and pressure	Pressure Gauges/Differential Pressure Gauges/ Switches/ Pressure Chart Recorders	(> 12 to 40) bar	0.1 bar	Internal Procedure: MEM-WP-07A: 2022	P/S
Measurement of force, weight and pressure	Pressure Gauges/Differential Pressure Gauges/ Switches/ Pressure Chart Recorders	(> 40 to 300) bar	0.2 bar	Internal Procedure: MEM-WP-07A: 2022	P/S
Measurement of force, weight and pressure	Pressure Gauges/Differential Pressure Gauges/ Switches/ Pressure Chart Recorders	(> 300 to 800) bar	0.4 bar	Internal Procedure: MEM-WP-07A: 2022	P/S

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# Accreditation Scope

MIDDLE EAST CALIBRATION LAB L.L.C, NAL110  
Calibration Laboratory, (ISO/IEC 17025:2017)

Sharjah-Industrial No.6/Sharjah-behind the third Industrial Street-Shubra No.2 owned by Sheikh Abdulaziz Muhammad Al-Majed Al-Ma'al, Sharjah, United Arab Emirates

Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Measurement of force, weight and pressure	Pressure Gauges/Differential Pressure Gauges/ Switches/ Pressure Chart Recorders	(> 800 to 1000) bar	0.6 bar	Internal Procedure: MEM-WP-07A: 2022	P/S
Measurement of force, weight and pressure	Pressure Gauges/Differential Pressure Gauges/ Switches/ Pressure Chart Recorders	(> 1000 to 2500) bar	3.4 bar	Internal Procedure: MEM-WP-07A: 2022	P/S
Measurement of force, weight and pressure	Vacuum Gauges	( -0.9 to 0) bar	2 mbar	Internal Procedure: MEM-WP-07A: 2022	P/S
Measurement of volume, mass, density, viscosity	Piston operated volumetric apparatus (Pipettes, Dispensers)	$(20 \leq V \leq 100) \mu\text{l}$	0.28 $\mu\text{l}$	Internal Procedure: MEM-WP-17A: 2022	P
Measurement of volume, mass, density, viscosity	Piston operated volumetric apparatus (Pipettes, Dispensers)	$(100 \leq V \leq 200) \mu\text{l}$	0.47 $\mu\text{l}$	Internal Procedure: MEM-WP-17A: 2022	P
Measurement of volume, mass, density, viscosity	Piston operated volumetric apparatus (Pipettes, Dispensers)	$(200 \leq V \leq 1000) \mu\text{l}$	0.57 $\mu\text{l}$	Internal Procedure: MEM-WP-17A: 2022	P

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Measurement of volume, mass, density, viscosity	Piston operated volumetric apparatus (Pipettes, Dispensers)	$(1000 \leq V \leq 2000) \mu\text{l}$	0.73 $\mu\text{l}$	Internal Procedure: MEM-WP-17A: 2022	P
Measurement of volume, mass, density, viscosity	Piston operated volumetric apparatus (Pipettes, Dispensers)	$(2 \leq V \leq 5) \text{ ml}$	1.6 $\mu\text{l}$	Internal Procedure: MEM-WP-17A: 2022	P
Measurement of volume, mass, density, viscosity	Piston operated volumetric apparatus (Pipettes, Dispensers)	$(5 \leq V \leq 10) \text{ ml}$	2.1 $\mu\text{l}$	Internal Procedure: MEM-WP-17A: 2022	P
Measurement of volume, mass, density, viscosity	Volumetric Apparatus One mark / Graduated (Pipettes, Buretes)	$(500 \leq V \leq 2000) \mu\text{l}$	0.033 ml	Internal Procedure: MEM-WP-17B: 2022	P
Measurement of volume, mass, density, viscosity	Volumetric Apparatus One mark / Graduated (Pipettes, Buretes)	$(2 \leq V \leq 10) \text{ ml}$	0.038 ml	Internal Procedure: MEM-WP-17B: 2022	P
Measurement of volume, mass, density, viscosity	Volumetric Apparatus One mark / Graduated (Pipettes, Buretes)	$(10 \leq V \leq 50) \text{ ml}$	0.07 ml	Internal Procedure: MEM-WP-17B: 2022	P
Measurement of volume, mass, density, viscosity	Volumetric Apparatus One mark / Graduated (Pipettes, Buretes)	$(50 \leq V \leq 150) \text{ ml}$	0.18 ml	Internal Procedure: MEM-WP-17B: 2022	P

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Measurement of volume, mass, density, viscosity	Volumetric Apparatus One mark cylinder, Beaker, Flask	$(10 \leq V \leq 200)$ ml	0.3 % x l	Internal Procedure: MEM-WP-17B: 2022	P
Measurement of volume, mass, density, viscosity	Volumetric Apparatus One mark cylinder, Beaker, Flask	$(200 \leq V \leq 5000)$ ml	0.2 % x l	Internal Procedure: MEM-WP-17B: 2022	P
Measurement of volume, mass, density, viscosity	Volumetric Apparatus Graduated cylinder, Beaker, Flask	$(10 \leq V \leq 100)$ ml	0.3 % x l	Internal Procedure: MEM-WP-17B: 2022	P
Measurement of volume, mass, density, viscosity	Volumetric Apparatus Graduated cylinder, Beaker, Flask	$(100 \leq V \leq 5000)$ ml	0.2 % x l	Internal Procedure: MEM-WP-17B: 2022	P
Measurement of volume, mass, density, viscosity	Specific Gravity/ Density containers / Volumetric Prover Tanks	$(10 \leq V \leq 100)$ ml	0.3 % x l	Internal Procedure: MEM-WP-17B: 2022	P
Measurement of volume, mass, density, viscosity	Specific Gravity/ Density containers / Volumetric Prover Tanks	$(100 \leq V \leq 5000)$ ml	0.2 % x l	Internal Procedure: MEM-WP-17B: 2022	P/S
Measurement of volume, mass, density, viscosity	Volumetric Prover Tanks	$(5 \leq V \leq 20)$ l	0.2 % x l	Internal Procedure: MEM-WP-17B: 2022	P/S

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Measurement of force, weight and pressure	Compression Machine / UTM Machine (Compression Mode)	200 kN to 3 MN	0.5 % x I	Internal Procedure: MEM-WP-16A: 2022	S
Measurement of force, weight and pressure	Force Gauges, tensile Loadcell with indicator	( 0.0005 to 1) kN	0.001	Internal Procedure: MEM-WP-16B: 2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	High Voltage AC 50 Hz (Source)	(0 to 1) kV	0.002 kV	Internal Procedure: MEM-WP-08C: 2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	High Voltage AC 50 Hz (Source)	(>1 to 10) kV	0.2 kV	Internal Procedure: MEM-WP-08C: 2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	High Voltage AC 50 Hz (Source)	(>10 to 20) kV	0.4 kV	Internal Procedure: MEM-WP-08C: 2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	High Voltage AC 50 Hz (Source)	(>20 to 50) kV	1 kV	Internal Procedure: MEM-WP-08C: 2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	High Voltage AC 50 Hz (Source)	(>50 to 80) kV	2.0 kV	Internal Procedure: MEM-WP-08C: 2022	P/S

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Issue No: 4

Electricity. Magnetism. Electrical and magnetic measurements	High Voltage AC 50 Hz (Source)	(>80 to 100) kV	2.5 kV	Internal Procedure: MEM-WP-08C: 2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	High Voltage DC (Source)	(0 to 1 ) kV	0.001 kV	Internal Procedure: MEM-WP-08C: 2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	High Voltage DC (Source)	(> to 10 ) kV	0.2 kV	Internal Procedure: MEM-WP-08C: 2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	High Voltage DC (Source)	(10 to 20) kV	0.4 kV	Internal Procedure: MEM-WP-08C: 2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	High Voltage DC (Source)	(>20 to 50) kV	1 kV	Internal Procedure: MEM-WP-08C: 2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	High Voltage DC (Source)	(>50 to 80) kV	2.0 kV	Internal Procedure: MEM-WP-08C: 2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	High Voltage DC (Source)	(>80 to 100) kV	2.5 kV	Internal Procedure: MEM-WP-08C: 2022	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage 45Hz to 10kHz (Measurement)	(1 to 32.999) mV	0.12 mV	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage 45Hz to 10kHz (Measurement)	(33 to 329.999) mV	0.28 mV	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage 45Hz to 10kHz (Measurement)	(0.33 to 3.29999) V	2.4 mV	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage 45Hz to 10kHz (Measurement)	(3.3 to 32.9999) V	24 mV	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage 45Hz to 10kHz (Measurement)	(33 to 329.999) V	0.4 V	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage 45Hz to 10kHz (Measurement)	(330 to 1020) V	1.22 V	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage (Measurement)	(0 to 330) mV	53 $\mu$ V	Internal Procedure: MEM-WP-08A: 2024	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage (Measurement)	(>0.33 to 3.3) V	2.3 mV	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage (Measurement)	(>3.3 to 33) V	4.6 mV	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage (Measurement)	(>33 to 330) V	43 mV	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage (Measurement)	(>330 to 1020) V	133 mV	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 45Hz to 1 kHz (Measurement)	(29 to 329.999) $\mu$ A	1.23 $\mu$ A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 45Hz to 1 kHz (Measurement)	(0.33 to 3.29999) mA	9 $\mu$ A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 45Hz to 1 kHz (Measurement)	(3.3to 32.9999) mA	0.05 mA	Internal Procedure: MEM-WP-08A: 2024	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current 45Hz to 1 kHz (Measurement)	(33 to 329.999) mA	0.6 mA	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 45Hz to 1 kHz (Measurement)	(0.33 to 1.09999) A	2.2 mA	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 45Hz to 1 kHz (Measurement)	(1.1 to 2.99999) A	7.1 mA	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 45Hz to 100 Hz (Measurement)	(3 to 10.9999) A	0.03 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 45Hz to 100 Hz (Measurement)	(11 to 20.5) A	0.07 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (clamp) 45Hz to 65 Hz (Measurement)	(10 to 16.499) A	0.08 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (clamp) 45Hz to 65 Hz (Measurement)	(16.5 to 149.99) A	0.8 A	Internal Procedure: MEM-WP-08A: 2024	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current (clamp) 45Hz to 65 Hz (Measurement)	(150 to 300) A	2.0 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (clamp) 45Hz to 65 Hz (Measurement)	(300 to 600) A	3.4 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (clamp) 45Hz to 65 Hz (Measurement)	(600 to 1025) A	5.4 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (clamp) 65Hz to 440 Hz (Measurement)	(10 to 16.499) A	0.2 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (clamp) 65Hz to 440 Hz (Measurement)	(16.5 to 149.99) A	1.9 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (clamp) 65Hz to 440 Hz (Measurement)	(150 to 300) A	8.1 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (clamp) 65Hz to 440 Hz (Measurement)	(300 to 600) A	16.0 A	Internal Procedure: MEM-WP-08A: 2024	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current (clamp) 65Hz to 440 Hz (Measurement)	(600 to 1025) A	26.0 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Measurement)	(0 to 329.999) $\mu$ A	0.16 $\mu$ A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Measurement)	(0.3 to 3.29999) mA	0.9 $\mu$ A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Measurement)	(3.3 to 32.9999) mA	8.5 $\mu$ A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Measurement)	(33 to 329.999) mA	0.12 mA	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Measurement)	(0.33 to 1.09999) A	1.1 mA	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Measurement)	(1.1 to 2.99999) A	3.2 mA	Internal Procedure: MEM-WP-08A: 2024	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Measurement)	(3 to 20) A	30 mA	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Measurement)	(10 to 16.499) A	0.068 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Measurement)	(16.5 to 149.99) A	0.62 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Measurement)	(150 to 300) A	1.3 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Measurement)	(300 to 600) A	2.5 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Measurement)	(600 to 1025) A	4.3 A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(0 to 10.999) $\Omega$	0.026 $\Omega$	Internal Procedure: MEM-WP-08A: 2024	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(11 to 32.999) $\Omega$	0.044 $\Omega$	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(33 to 109.99) $\Omega$	0.058 $\Omega$	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(110 to 329.999) $\Omega$	0.115 $\Omega$	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(0.33 to 1.09999) k $\Omega$	0.3 $\Omega$	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(1.1 to 3.29999) k $\Omega$	1.1 $\Omega$	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(3.3 to 10.9999) k $\Omega$	2.5 $\Omega$	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(11 to 32.9999) k $\Omega$	9.2 $\Omega$	Internal Procedure: MEM-WP-08A: 2024	P/S

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Issue Date: 10/12/2025

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Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(33 to 109.999) kΩ	30 Ω	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(110 to 329.999) kΩ	110 Ω	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(0.33 to 1.09999) MΩ	400 Ω	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(1.1 to 3.29999) MΩ	1500 Ω	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(3.3 to 10.9999) MΩ	15 kΩ	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(11 to 32.9999) MΩ	0.08 MΩ	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(33 to 109.999) MΩ	1.3 MΩ	Internal Procedure: MEM-WP-08A: 2024	P/S

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MIDDLE EAST CALIBRATION LAB L.L.C, NAL110  
Calibration Laboratory, (ISO/IEC 17025:2017)

Sharjah-Industrial No.6/Sharjah-behind the third Industrial Street-Shubra No.2 owned by Sheikh Abdulaziz Muhammad Al-Majed Al-Ma'al, Sharjah, United Arab Emirates

Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(110 to 329.999) MΩ	4.3 MΩ	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Measurement)	(330 to 1100) MΩ	40 MΩ	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(220 to 399.9) pF	28 pF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(0.4 to 1.0999) nF	0.036 nF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(1.1 to 3.2999) nF	0.062 nF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(3.3 to 10.999) nF	0.087 nF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(11 to 32.999) nF	0.42 nF	Internal Procedure: MEM-WP-08A: 2024	P/S

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(33 to 109.99) nF	0.87 nF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(110 to 329.99) nF	2.6 nF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(0.33 to 1.0999) $\mu$ F	8.7 nF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(1.1 to 3.2999) $\mu$ F	0.027 $\mu$ F	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(3.3 to 10.999 $\mu$ F	0.087 $\mu$ F	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(11 to 32.999 $\mu$ F	0.38 $\mu$ F	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(33 to 109.99 $\mu$ F	1.4 $\mu$ F	Internal Procedure: MEM-WP-08A: 2024	P/S

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(110 to 329.99 $\mu$ F	4.2 $\mu$ F	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(0.33 to 1.0999 mF	14 $\mu$ F	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(1.1 to 3.2999 mF	0.04 mF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(3.3 to 10.999 mF	0.14 mF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(11 to 32.999 mF	0.64 mF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Measurement)	(33 to 110.00 mF	3 mF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Measurement)	(0.01 to 100) Hz	11 mHz	Internal Procedure: MEM-WP-08A: 2024	P/S

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Measurement)	(100 to 500) Hz	73 mHz	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Measurement)	(500 to 1000) Hz	0.1 Hz	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Measurement)	(1 to 10) kHz	0.8 Hz	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Measurement)	(10 to 100) kHz	8.4 Hz	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Power (Measurement)	up to 20000 Watts	0.16 % x I	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Power 500Hz to 1 kHz, Phase angle $\phi=0$ . (Measurement)	up to 10000 Watts	0.3 % x I	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Power 500Hz to 1 kHz, Phase angle $\phi=0$ . (Measurement)	>10000 to 20000 Watts	0.4 % x I	Internal Procedure: MEM-WP-08A: 2024	P/S

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage 10 Hz to 20 kHz (Source)	(0 to 100) mV	0.14 mV	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage 10 Hz to 20 kHz (Source)	>100 mV to 1 V	0.035 V	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage 10 Hz to 20 kHz (Source)	>1 V to 10 V	0.042 V	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage 10 Hz to 20 kHz (Source)	>10 V to 100 V	0.13 V	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage 10 Hz to 20 kHz (Source)	>100 V to 1000 V	0.77 V	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage (Source)	(0 to 100) mV	9 $\mu$ V	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage (Source)	>100 mV to 1 V	0.8 mV	Internal Procedure: MEM-WP-08A: 2024	P/S

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Issue No: 4

Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage (Source)	>1 V to 10 V	0.9 mV	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage (Source)	>10 V to 100 V	5.3 mV	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage (Source)	>100 V to 1000 V	0.05 V	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 10 Hz to 5 kHz (Source)	(0 to 100) $\mu$ A	0.25 $\mu$ A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 10 Hz to 5 kHz (Source)	>100 $\mu$ A to 1 mA	47 $\mu$ A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 10 Hz to 5 kHz (Source)	>1 mA to 10 mA	58 $\mu$ A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 10 Hz to 5 kHz (Source)	>10 mA to 100 mA	0.18 mA	Internal Procedure: MEM-WP-08A: 2024	P/S

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Issue Date: 10/12/2025

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Issue No: 4

Electricity. Magnetism. Electrical and magnetic measurements	AC Current 10 Hz to 5 kHz (Source)	>100 mA to 1 A	47 mA	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 10 Hz to 5 kHz (Source)	>1 A to 3 A	75 mA	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 10 Hz to 5 kHz (Source)	>3 A to 10 A	87 mA	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Source)	(0 to 100) $\mu$ A	0.088 $\mu$ A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Source)	>100 $\mu$ A to 1 mA	6.4 $\mu$ A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Source)	>1 mA to 10 mA	29 $\mu$ A	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Source)	>10 mA to 100 mA	64 $\mu$ A	Internal Procedure: MEM-WP-08A: 2024	P/S

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

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Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Source)	>100 mA to 1 A	24 mA	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (Source)	>1 A to 10 A	27 mA	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Source)	(0 to 10) $\Omega$	36 m $\Omega$	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Source)	>10 $\Omega$ to 100 $\Omega$	16 m $\Omega$	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Source)	>100 $\Omega$ to 1 k $\Omega$	1.3 $\Omega$	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Source)	>1 k $\Omega$ to 10 k $\Omega$	2.3 $\Omega$	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Source)	>10 k $\Omega$ to 100 k $\Omega$	12.7 $\Omega$	Internal Procedure: MEM-WP-08A: 2024	P/S

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Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Source)	>100 kΩ to 1 MΩ	1.3 kΩ	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Source)	>1 MΩ to 10 MΩ	6.6 kΩ	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Source)	>10 MΩ to 100 MΩ	0.96 MΩ	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (Source)	>100 MΩ to 1 GΩ	37 MΩ	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Source)	(0 to 1) nF	2.9 nF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Source)	>1 nF to 10 nF	0.7 nF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Source)	>10 nF to 100 nF	1.8 nF	Internal Procedure: MEM-WP-08A: 2024	P/S

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Issue Date: 10/12/2025

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Issue No: 4

Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Source)	>100 nF to 1 $\mu$ F	0.6 $\mu$ F	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Source)	>1 $\mu$ F to 10 $\mu$ F	0.7 $\mu$ F	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Source)	>10 $\mu$ F to 100 $\mu$ F	1.9 $\mu$ F	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Source)	>100 $\mu$ F to 1 mF	0.02 mF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Source)	>1 mF to 10 mF	0.3 mF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance (Source)	>10 mF to 100 mF	4 mF	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Source)	(3 to 10) Hz	58 mHz	Internal Procedure: MEM-WP-08A: 2024	P/S

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Issue No: 4

Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Source)	>10 Hz to 19.9 Hz	69 mHz	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Source)	>20 Hz to 40 Hz	14mHz	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Source)	>40 Hz to 200 Hz	23 mHz	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Source)	>200 Hz to 999.99 Hz	0.12 Hz	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Source)	>1 kHz to 2 kHz	0.23 Hz	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Source)	>2 kHz to 20 kHz	2.3 Hz	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Source)	>20 kHz to 200 kHz	23 Hz	Internal Procedure: MEM-WP-08A: 2024	P/S

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Issue Date: 10/12/2025

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Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Source)	>200 kHz to 300 kHz	35 Hz	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (Source)	>300 kHz to 1 MHz	120 Hz	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple J Type (Measure & Source)	-210 to 0°C	0.7°C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple J Type (Measure & Source)	0 to 150°C	0.4 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple J Type (Measure & Source)	150 to 760°C	0.5 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple J Type (Measure & Source)	760 to 1200°C	0.6 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple k Type (Measure & Source)	-200 to 1000°C	0.6 °C	Internal Procedure: MEM-WP-08A: 2024	P/S

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Issue Date: 10/12/2025

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Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple k Type (Measure & Source)	1000 to 1372°C	1 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple N Type (Measure & Source)	-200 to -20°C	1 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple N Type (Measure & Source)	-20 to 410°C	0.5 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple N Type (Measure & Source)	410 to 1300°C	0.7 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple R Type (Measure & Source)	0 to 1767°C	1.3 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple S Type (Measure & Source)	0 to 1767°C	1.1 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple T Type (Measure & Source)	-250 to -150°C	1.5 °C	Internal Procedure: MEM-WP-08A: 2024	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple T Type (Measure & Source)	-150 to 0°C	0.6 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple T Type (Measure & Source)	0 to 120°C	0.4 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple T Type (Measure & Source)	120 to 400°C	0.4 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD (Measure)	-200 to 400°C	0.2 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD (Measure)	400 to 660°C	0.5 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD (Source)	-200 to 300°C	0.1 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD (Source)	300 to 400°C	0.2 °C	Internal Procedure: MEM-WP-08A: 2024	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

MIDDLE EAST CALIBRATION LAB L.L.C, NAL110  
Calibration Laboratory, (ISO/IEC 17025:2017)

Sharjah-Industrial No.6/Sharjah-behind the third Industrial Street-Shubra No.2 owned by Sheikh Abdulaziz Muhammad Al-Majed Al-Ma'al, Sharjah, United Arab Emirates

Issue Date: 10/12/2025

Expiry Date: 30/12/2028

Issue No: 4

Electricity. Magnetism. Electrical and magnetic measurements	RTD (Source)	400 to 630°C	0.2 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD (Source)	630 to 800°C	0.3 °C	Internal Procedure: MEM-WP-08A: 2024	P/S
<b>END</b>					

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.