



Accreditation Scope

Quality Technical Services, NAL 095
Calibration Laboratory, (ISO/IEC 17025:2017)

M 72, WM4, Musaffah, Abu Dhabi, Abu Dhabi, United Arab Emirates

Issue Date: 06/01/2025

Expiry Date: 28/08/2027

Issue No: 9

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 force, weight and pressure	Weighing Balance (Non-automatic weighing instrument)	(0.001 to 120) g	0.06 mg	QTS/M-WP- 01:2024 Euramet cg-18 OIML R76-1	P/S
Measurement of force, weight and pressure	Weighing Balance (Non-automatic weighing instrument)	(> 120 to 220) g	0.3 mg	QTS/M-WP- 01:2024 Euramet cg-18 OIML R76-1	P/S
Measurement of force, weight and pressure	Weighing Balance (Non-automatic weighing instrument)	(>220 to 600) g	1 mg	QTS/M-WP- 01:2024 Euramet cg-18 OIML R76-1	P/S
Measurement of force, weight and pressure	Weighing Balance (Non-automatic weighing instrument)	(> 0.6 to 1.2) kg	2 mg	QTS/M-WP- 01:2024 Euramet cg-18 OIML R76-1	P/S
Measurement of force, weight and pressure	Weighing Balance (Non-automatic weighing instrument)	(> 1.2 to 6.2) kg	0.01 g	QTS/M-WP- 01:2024 Euramet cg-18 OIML R76-1	P/S

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Measurement of force, weight and pressure	Weighing Balance (Non-automatic weighing instrument)	(> 6.2 to 12) kg	0.1 g	QTS/M-WP-01:2024 Euramet cg-18 OIML R76-1	P/S
Measurement of force, weight and pressure	Weighing Balance (Non-automatic weighing instrument)	(> 12 to 32) kg	0.2 g	QTS/M-WP-01:2024 Euramet cg-18 OIML R76-1	P/S
Measurement of force, weight and pressure	Weighing Balance (Non-automatic weighing instrument)	(> 32 to 62) kg	0.5 g	QTS/M-WP-01:2024 Euramet cg-18 OIML R76-1	P/S
Measurement of force, weight and pressure	Weighing Balance (Non-automatic weighing instrument)	(> 62 to 100) kg	10 g	QTS/M-WP-01:2024 Euramet cg-18 OIML R76-1	P/S
Measurement of force, weight and pressure	Weighing Balance (Non-automatic weighing instrument)	(> 100 to 500) kg	0.02 kg	QTS/M-WP-01:2024 Euramet cg-18 OIML R76-1	P/S
Measurement of force, weight and pressure	Weighing Balance (Non-automatic weighing instrument)	(> 500 to 2000) kg	0.1 kg	QTS/M-WP-01:2024 Euramet cg-18 OIML R76-1	P/S
Measurement of force, weight and pressure	Weighing Balance (Non-automatic weighing instrument)	(> 2000 to 6000) kg	1.3 kg	QTS/M-WP-01:2024 Euramet cg-18 OIML R76-1	P/S

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Measurement of force, weight and pressure	Weighing Balance (Non-automatic weighing instrument)	(> 6000 to 12000) kg	1.7 kg	QTS/M-WP-01:2024 Euramet cg-18 OIML R76-1	P/S
Measurement of force, weight and pressure	Truck Scale / Weighbridge	(>12 to 20) ton	0.0001	QTS/M-WP-01:2024 Euramet cg-18 OIML R76-1	S
Measurement of force, weight and pressure	Truck Scale / Weighbridge	(>20 to 60) ton	0.00033	QTS/M-WP-01:2024 Euramet cg-18 OIML R76-1	S
Measurement of force, weight and pressure	Truck Scale / Weighbridge	(>60 to 120) ton	0.00017	QTS/M-WP-01:2024 Euramet cg-18 OIML R76-1	S
Measurement of force, weight and pressure	Batching Plant (Concrete/asphalt plants, Hooper and Tank Scale)	(0 to 1) ton	0.002	QTS/M-WP-03:2024 ASTM C94/C94M	S
Measurement of force, weight and pressure	Batching Plant (Concrete/asphalt plants, Hooper and Tank Scale)	(>1 to 5) ton	0.002	QTS/M-WP-03:2024 ASTM C94/C94M	S
Measurement of force, weight and pressure	Batching Plant (Concrete/asphalt plants, Hooper and Tank Scale)	(>5 to 12) ton	0.003	QTS/M-WP-03:2024 ASTM C94/C94M	S

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Measurement of force, weight and pressure	Conventional Mass	1 mg	0.02 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	2 mg	0.02 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	5 mg	0.02 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P

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Measurement of force, weight and pressure	Conventional Mass	20 mg	0.02 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	50 mg	0.02 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P

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Measurement of force, weight and pressure	Conventional Mass	100 mg	0.02 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	200 mg	0.02 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	500 mg	0.03 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P

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Measurement of force, weight and pressure	Conventional Mass	2 g	0.03 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	5 g	0.04 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P

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Measurement of force, weight and pressure	Conventional Mass	10 g	0.04 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	20 g	0.05 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	50 g	0.08 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P

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Measurement of force, weight and pressure	Conventional Mass	100 g	0.14 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	200 g	0.4 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	500 g	2 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P

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Measurement of force, weight and pressure	Conventional Mass	1 kg	3 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	2 kg	20 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	5 kg	20 mg	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P

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Measurement of force, weight and pressure	Conventional Mass	20 kg	0.2 g	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	50 kg	2 g	QTS/M-WP-02:2024 OIML R 111-1 Class F1 (1 to 50) g Class F2 20 mg to 5 kg Class M1 1mg to 50 kg	P
Measurement of force, weight and pressure	Conventional Mass	100 kg	2 g	QTS/M-WP-02:2024 OIML R 111-1 Class M2 & M3 (100 to 5000) kg	P/S

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Measurement of force, weight and pressure	Conventional Mass	200 kg	5 g	QTS/M-WP-02:2024 OIML R 111-1 Class M2 & M3 (100 to 5000) kg	P/S
Measurement of force, weight and pressure	Conventional Mass	500 kg	21 g	QTS/M-WP-02:2024 OIML R 111-1 Class M2 & M3 (100 to 5000) kg	P/S
Measurement of force, weight and pressure	Conventional Mass	1000 kg	0.46 kg	QTS/M-WP-02:2024 OIML R 111-1 Class M2 & M3 (100 to 5000) kg	P/S
Measurement of force, weight and pressure	Conventional Mass	5000 kg	2.3 kg	QTS/M-WP-02:2024 OIML R 111-1 Class M2 & M3 (100 to 5000) kg	P/S
Measurement of force, weight and pressure	Unknown Masses or similar	1 mg to 30 kg	0.000025	QTS/M-WP-02:2024	P/S
Measurement of force, weight and pressure	Unknown Masses or similar	(> 30 kg to 300) kg	0.00003	QTS/M-WP-02:2024	P/S
Measurement of force, weight and pressure	Unknown Masses or similar	(> 300 kg to 1000) kg	0.00003	QTS/M-WP-02:2024	P/S
Measurement of force, weight and pressure	Unknown Masses or similar	(> 1000 kg to 5000) kg	0.00005	QTS/M-WP-02:2024	P/S

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Measurement of force, weight and pressure	Compression Machine (CBR machine, Marshall testing machine, Flexural machines, UCS machine or similar)	(1 to 100) N	0.0016	QTS/F-WP-01:2024 ISO 7500-1 ASTM E4	P/S
Measurement of force, weight and pressure	Compression Machine (CBR machine, Marshall testing machine, Flexural machines, UCS machine or similar)	(0.1 to 1) kN	0.0009	QTS/F-WP-01:2024 ISO 7500-1 ASTM E4	P/S
Measurement of force, weight and pressure	Compression Machine (CBR machine, Marshall testing machine, Flexural machines, UCS machine or similar)	(1 to 10) kN	0.0008	QTS/F-WP-01:2024 ISO 7500-1 ASTM E4	P/S
Measurement of force, weight and pressure	Compression Machine (CBR machine, Marshall testing machine, Flexural machines, UCS machine or similar)	(5 to 50) kN	0.001	QTS/F-WP-01:2024 ISO 7500-1 ASTM E4	P/S

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Measurement of force, weight and pressure	Compression Machine (CBR machine, Marshall testing machine, Flexural machines, UCS machine or similar)	(10 to 100) kN	0.0012	QTS/F-WP-01:2024 ISO 7500-1 ASTM E4	P/S
Measurement of force, weight and pressure	Compression Machine (CBR machine, Marshall testing machine, Flexural machines, UCS machine or similar)	(30 to 300) kN	0.0013	QTS/F-WP-01:2024 ISO 7500-1 ASTM E4	P/S
Measurement of force, weight and pressure	Compression Machine (CBR machine, Marshall testing machine, Flexural machines, UCS machine or similar)	(300 to 3000) kN	0.0045	QTS/F-WP-01:2024 ISO 7500-1 ASTM E4	P/S
Measurement of force, weight and pressure	Compression Machine Stability Verification	(200 to 2000) kN	0.0045	QTS/F-WP-02:2021 BS EN 12390-4	P/S
Measurement of force, weight and pressure	Tension Machine (Tensile testing machine, pull-off tester, or similar)	(1 to 200) N	0.001	QTS/F-WP-01:2024 ISO 7500-1 ASTM E4	P/S

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Measurement of force, weight and pressure	Tension Machine (Tensile testing machine, pull-off tester, or similar)	(0.2 to 10) kN	0.0012	QTS/F-WP-01:2024 ISO 7500-1 ASTM E4	P/S
Measurement of force, weight and pressure	Tension Machine (Tensile testing machine, pull-off tester, or similar)	(5 to 50) kN	0.0007	QTS/F-WP-01:2024 ISO 7500-1 ASTM E4	P/S
Measurement of force, weight and pressure	Tension Machine (Tensile testing machine, pull-off tester, or similar)	(30 to 300) kN	0.001	QTS/F-WP-01:2024 ISO 7500-1 ASTM E4	P/S
Measurement of force, weight and pressure	Tension Machine (Tensile testing machine, pull-off tester, or similar)	(120 to 1200) kN	0.001	QTS/F-WP-01:2024 ISO 7500-1 ASTM E4	P/S
Measurement of force, weight and pressure	Force Proving Instruments for industrial use (proving rings, load cell with indicator, cranes scales or similar)	(10 to 100) N	0.0017	QTS/F-WP-06:2024	P
Measurement of force, weight and pressure	Force Proving Instruments for industrial use (proving rings, load cell with indicator, cranes scales or similar)	(0.1 to 10) kN	0.0015	QTS/F-WP-06:2024	P

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Measurement of force, weight and pressure	Force Proving Instruments for industrial use (proving rings, load cell with indicator, cranes scales or similar)	(>10 to 50) kN	0.0017	QTS/F-WP-06:2024	P
Measurement of force, weight and pressure	Force Proving Instruments for industrial use (proving rings, load cell with indicator, cranes scales or similar)	(>50 to 200) kN	0.0014	QTS/F-WP-06:2024	P
Measurement of force, weight and pressure	Hydraulic Jack	(1 to 300) kN	0.005	QTS/F-WP-04:2024	P
Measurement of force, weight and pressure	Hydraulic Jack	(300 to 1500) kN	0.008	QTS/F-WP-04:2024	P
Measurement of force, weight and pressure	Force Gauge (dial and digital)	1 g to 1000 kg	0.0015	QTS/F-WP-07:2024	P/S
Measurement of time, velocity, acceleration, angular velocity	Force Machine Feed Speed	(0.1 to 100) mm/min	0.002	QTS/D-WP-36:2024	P
Measurement of force, weight and pressure	Torque Tools (preset, indicating, torque screw, or similar)	(0.2 to 2) N.m	0.016	QTS/F-WP-05:2024 ISO 6789-1 & 2	P

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Measurement of force, weight and pressure	Torque Tools (preset, indicating, torque screw, or similar)	(>2 to 20) N.m	0.011	QTS/F-WP-05:2024 ISO 6789-1 & 2	P
Measurement of force, weight and pressure	Torque Tools (preset, indicating, torque screw, or similar)	(> 20 to 200) N.m	0.011	QTS/F-WP-05:2024 ISO 6789-1 & 2	P
Measurement of force, weight and pressure	Torque Tools (preset, indicating, torque screw, or similar)	(200 to 2000) N.m	0.012	QTS/F-WP-05:2024 ISO 6789-1 & 2	P
Linear and angular measurements	Caliper (Vernier, dial, digital and digimatic)	(0.01 to 300) mm	20 µm	QTS/D-WP-01:2024 BS EN ISO 13385-1	P
Linear and angular measurements	Caliper (Vernier, dial, digital and digimatic)	(>300 to 600) mm	30 µm	QTS/D-WP-01:2024 BS EN ISO 13385-1	P
Linear and angular measurements	Caliper (Vernier, dial, digital and digimatic)	(>600 to 1000) mm	40 µm	QTS/D-WP-01:2024 BS EN ISO 13385-1	P
Linear and angular measurements	Caliper (Vernier, dial, digital and digimatic)	(>1000 to 2000) mm	70 µm	QTS/D-WP-01:2024 BS EN ISO 13385-1	P
Linear and angular measurements	Caliper (Vernier, dial, digital and digimatic)	(>2000 to 3000) mm	90 µm	QTS/D-WP-01:2024 BS EN ISO 13385-1	P

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Accreditation Scope

Quality Technical Services, NAL 095
Calibration Laboratory, (ISO/IEC 17025:2017)

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Linear and angular measurements	External Micrometer (analog, digital and digimatic)	(0.001 to 25) mm	3 µm	QTS/D-WP-02:2024 BS EN ISO 3611	P
Linear and angular measurements	External Micrometer (analog, digital and digimatic)	(>25 to 100) mm	5 µm	QTS/D-WP-02:2024 BS EN ISO 3611	P
Linear and angular measurements	External Micrometer (analog, digital and digimatic)	(>100 to 300) mm	11 µm	QTS/D-WP-02:2024 BS EN ISO 3611	P
Linear and angular measurements	External Micrometer (analog, digital and digimatic)	(>300 to 1000) mm	33 µm	QTS/D-WP-02:2024 BS EN ISO 3611	P
Linear and angular measurements	External Micrometer (analog, digital and digimatic)	(> 1000 to 2000) mm	65 µm	QTS/D-WP-02:2024 BS EN ISO 3611	P
Linear and angular measurements	External Micrometer (analog, digital and digimatic)	(> 2000 to 3000) mm	97 µm	QTS/D-WP-02:2024 BS EN ISO 3611	P
Linear and angular measurements	Internal Micrometer including Micrometer Stick (analog, digital and digimatic)	(0.001 to 25) mm	4 µm	QTS/D-WP-34:2024 BS 959 ASME B89.1.13	P
Linear and angular measurements	Internal Micrometer including Micrometer Stick (analog, digital and digimatic)	(>25 to 100) mm	5 µm	QTS/D-WP-34:2024 BS 959 ASME B89.1.13	P

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Linear and angular measurements	Internal Micrometer including Micrometer Stick (analog, digital and digimatic)	(>100 to 300) mm	11 µm	QTS/D-WP-34:2024 BS 959 ASME B89.1.13	P
Linear and angular measurements	Internal Micrometer including Micrometer Stick (analog, digital and digimatic)	(>300 to 600) mm	21 µm	QTS/D-WP-34:2024 BS 959 ASME B89.1.13	P
Linear and angular measurements	Micrometer Setting Rod , or similar	(25 to 150) mm	3 µm	QTS/D-WP-24:2021	P
Linear and angular measurements	Micrometer Setting Rod , or similar	(>150 to 600) mm	12 µm	QTS/D-WP-24:2021	P
Linear and angular measurements	Height Gauge (Vernier, dial, and digital)	(0.01 to 300) mm	20 µm	QTS/D-WP-05:2024 BS EN ISO 13325	P
Linear and angular measurements	Height Gauge (Vernier, dial, and digital)	(> 300 to 1000) mm	40 µm	QTS/D-WP-05:2024 BS EN ISO 13325	P
Linear and angular measurements	Height Gauge (Vernier, dial, and digital)	(> 1000 to 2000) mm	70 µm	QTS/D-WP-05:2024 BS EN ISO 13325	P
Linear and angular measurements	Height Gauge (Vernier, dial, and digital)	(> 2000 to 3000) m	0.10 mm	QTS/D-WP-05:2024 BS EN ISO 13325	P

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Linear and angular measurements	Depth Gauge and Depth Caliper Gauge (Vernier, dial, and digital)	(0.01 to 300) mm	20 μ m	QTS/ D -WP-06:2024 BS EN ISO 13325	P
Linear and angular measurements	Depth Gauge and Depth Caliper Gauge (Vernier, dial, and digital)	(> 300 to 1000) mm	50 μ m	QTS/ D -WP-06:2024 BS EN ISO 13325	P
Linear and angular measurements	Depth Gauge and Depth Caliper Gauge (Vernier, dial, and digital)	(> 1000 to 2000) mm	80 μ m	QTS/ D -WP-06:2024 BS EN ISO 13325	P
Linear and angular measurements	Depth Gauge and Depth Caliper Gauge (Vernier, dial, and digital)	(> 2000 to 3000) mm	0.12 mm	QTS/ D -WP-06:2024 BS EN ISO 13325	P
Linear and angular measurements	Depth Micrometer	(0.5 to 300) mm	20 μ m	QTS/D-WP-33:2024 BS 6468 ASME B89.1.13	P
Linear and angular measurements	Depth Micrometer	(> 300 to 1000) mm	50 μ m	QTS/D-WP-33:2024 BS 6468 ASME B89.1.13	P
Linear and angular measurements	Depth Micrometer	(> 1000 to 2000) mm	80 μ m	QTS/D-WP-33:2024 BS 6468 ASME B89.1.13	P

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Linear and angular measurements	Depth Micrometer	(> 2000 to 3000) mm	0.12 mm	QTS/D-WP-33:2024 BS 6468 ASME B89.1.13	P
Linear and angular measurements	2-pt. Bore Gauge	(6 to 100) mm	10 µm	QTS/D-WP-07:2021	P
Linear and angular measurements	2-pt. Bore Gauge	(> 100 to 600) mm	30 µm	QTS/D-WP-07:2021	P
Linear and angular measurements	3-pt. Internal Micrometer	(0.001 to 100) mm	4 µm	QTS/D-WP-10:2022	P
Linear and angular measurements	3-pt. Internal Micrometer	200 mm	11 µm	QTS/D-WP-10:2022	P
Linear and angular measurements	3-pt. Internal Micrometer	300 mm	13 µm	QTS/D-WP-10:2022	P
Linear and angular measurements	Feeler Gauge	(0.02 to 5) mm	3 µm	QTS/D-WP-11:2024 BS 957	P
Linear and angular measurements	Radius Gauge, radius measurement (sheave gauge, etc...)	(0.1 to 300) mm	20 µm	QTS/D-WP-12:2022	P
Linear and angular measurements	Protractor, angle gauge, angle measurement	0° to 360°	0.1 °	QTS/D-WP-13:2024	P
Linear and angular measurements	Thickness Gauge (dial and digital)	(0.001 to 100) mm	0.02 mm	QTS/D-WP-08:2024	P

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Linear and angular measurements	Graduated Steel Rule	(0.001 to 1) m	0.4 mm	QTS/D-WP-15:2021 OIML R 35-2	P
Linear and angular measurements	Graduated Steel Tape	(0.001 to 100) m	0.0004	QTS/D-WP-15:2021 OIML R 35-2	P
Linear and angular measurements	Circumference Tape / Pi Tape	(10 to 300) mm diameter	0.7 mm	QTS/D-WP-30:2024	P
Linear and angular measurements	Circumference Tape / Pi Tape	(>300 to 3000) mm diameter	1.2 mm	QTS/D-WP-30:2024	P
Linear and angular measurements	Dial Gauge - Plunger Type	(0.0001 to 25) mm	0.8 µm	QTS/D-WP-03:2024 BS EN ISO 463	P
Linear and angular measurements	Dial Gauge - Plunger Type	(>25 to 100) mm	5 µm	QTS/D-WP-03:2024 BS EN ISO 463	P
Linear and angular measurements	Displacement Transducer with indicator (LVDT)	(0.001 to 25) mm	4 µm	QTS/D-WP-14:2022	P / S
Linear and angular measurements	Displacement Transducer with indicator (LVDT)	(>25 to 100) mm	5 µm	QTS/D-WP-14:2022	P / S
Linear and angular measurements	Displacement Transducer with indicator (LVDT)	(>100 to 600) mm	19 µm	QTS/D-WP-14:2022	P / S

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Linear and angular measurements	Dial Test Indicator - Lever Type	(0.01 to 2) mm	1.4 µm	QTS/D-WP-04-:2021 BS 2795	P
Linear and angular measurements	Dial Gauge Calibrator	(0.001 to 50) mm	3 µm	QTS/D-WP-17:2021	P
Linear and angular measurements	Contact Extensometer	(0.1 to 50) mm	3 µm	QTS/D-WP-26:2024	P/S
Linear and angular measurements	Test Sieve (Wire Mesh)	20 µm to 125 mm	9 µm	QTS/D-WP-18:2024 ASTM E11 ISO 3310-1	P
Linear and angular measurements	Test Sieve (Perforated Plate)	32 µm to 125 mm	9 µm	QTS/D-WP-18:2024 ASTM E323 ISO 3310-2	P
Linear and angular measurements	Surface Plate Flatness, or similar	(0.2 × 0.2)m to (3 × 3) m	2 µm	QTS/D-WP-29:2024	P / S
Linear and angular measurements	Surface Roughness	(0.4 to 250) µm	0.6 µm	QTS/Ph-WP-07:2024	P/S
Linear and angular measurements	2-dimensional Profile Projector (Linear axis x & y, angle, circle)	x = (0.1 to 400) mm	(6 + 10 L) µm; L in meter	QTS/D-WP-09-:2022 JIS B 7184	P/S
Linear and angular measurements	2-dimensional Profile Projector (Linear axis x & y, angle, circle)	y = (0.1 to 400) mm	(6 + 10 L) µm; L in meter	QTS/D-WP-09-:2022 JIS B 7184	P/S

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Linear and angular measurements	2-dimensional Profile Projector (Linear axis x & y, angle, circle)	Angle =(0.1 to 360)°	0.04°	QTS/D-WP-09-:2022 JIS B 7184	P/S
Linear and angular measurements	Pin Gauges	(0.1 to 50) mm	1.9 µm	QTS/D-WP-19:2022	P
Linear and angular measurements	Welding Gauge (length and angle)	(0.1 to 300) mm	20 µm	QTS/D-WP-28:2021	P
Linear and angular measurements	Welding Gauge (length and angle)	(0.1 to 90)°	0.1°	QTS/D-WP-28:2021	P
Linear and angular measurements	Penetrometer Dial Gauge, or similar	(0.001 to 300) mm	30 µm	QTS/D-WP-27:2021	P
Linear and angular measurements	Paint Coating /Thickness Gauge (dial, digital and ultrasonic, or similar)	(0.023 to 1) mm	0.9 µm	QTS/D-WP-32:2024	P/S
Linear and angular measurements	Paint Coating /Thickness Gauge (dial, digital and ultrasonic, or similar)	(>1 to 4) mm	4 µm	QTS/D-WP-32:2024	P/S
Linear and angular measurements	Paint Coating /Thickness Gauge (dial, digital and ultrasonic, or similar)	(>4 to 10) mm	9 µm	QTS/D-WP-32:2024	P/S

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Linear and angular measurements	Paint Coating /Thickness Gauge (dial, digital and ultrasonic, or similar)	(>10 to 50) mm	15 µm	QTS/D-WP-32:2024	P/S
Linear and angular measurements	Plain Plug Gauge (diameter, roundness, straightness and parallelism)	(0.1 to 100) mm	3.4 µm	QTS/D-WP-22:2022 EURAMET cg-06	P
Linear and angular measurements	Plain Plug Gauge (diameter, roundness, straightness and parallelism)	(>100 to 300) mm	4.9 µm	QTS/D-WP-22:2022 EURAMET cg-06	P
Linear and angular measurements	Taper Plug Gauge (effective diameter)	(0.1 to 300) mm	3.4 µm	QTS/D-WP-39:2024	P
Linear and angular measurements	Taper Plug Gauge (effective diameter)	(>100 to 300) mm	3.4 µm	QTS/D-WP-39:2024	P
Linear and angular measurements	Thread Plug Gauge (major, effective diameter)	(1 to 100) mm	3.4 µm	QTS/D-WP-20:2024	P
Linear and angular measurements	Thread Plug Gauge (major, effective diameter)	(>100 to 300) mm	4.9 µm	QTS/D-WP-20:2024	P
Linear and angular measurements	Taper Thread Plug Gauge (effective diameter)	(1 to 100) mm	3.4 µm	QTS/D-WP-40:2024	P

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Linear and angular measurements	Taper Thread Plug Gauge (effective diameter)	(>100 to 300) mm	4.9 µm	QTS/D-WP-40:2024	P
Linear and angular measurements	Plain Ring Gauge (diameter, roundness, straightness and parallelism)	(1 to 100) mm	3.4 µm	QTS/D-WP-25:2024 EURAMET cg-06	P
Linear and angular measurements	Plain Ring Gauge (diameter, roundness, straightness and parallelism)	(>100 to 400) mm	4.9 µm	QTS/D-WP-25:2024 EURAMET cg-06	P
Linear and angular measurements	Taper Ring Gauge (effective diameter)	(2 to 100) mm	3.4 µm	QTS/D-WP-41:2024	P
Linear and angular measurements	Taper Ring Gauge (effective diameter)	(>100 to 400) mm	4.9 µm	QTS/D-WP-41:2024	P
Linear and angular measurements	Thread Ring Gauge (major diameter and effective diameter)	(2 to 100) mm	3.4 µm	QTS/D-WP-21:2024	P
Linear and angular measurements	Thread Ring Gauge (major diameter and effective diameter)	(>100 to 400) mm	4.9 µm	QTS/D-WP-21:2024	P
Linear and angular measurements	Taper Thread Ring Gauge (effective diameter)	(2 to 100) mm	3.4 µm	QTS/D-WP-42:2024	P

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Linear and angular measurements	Taper Thread Ring Gauge (effective diameter)	(>100 to 400) mm	4.9 µm	QTS/D-WP-42:2024	P
Linear and angular measurements	Thickness Foil Standard or similar	(0.01 to 10) mm	0.4 µm	QTS/D-WP-38:2022	P
Linear and angular measurements	Thickness Foil Standard or similar	(> 10 to 50) mm	1.0 µm	QTS/D-WP-38:2022	P
Linear and angular measurements	Geometric length/ thickness/ width/ depth measurement (mold, flakiness gauge, tamping apparatus, liquid limit device, hegman gauge, chain wear gauge, etc...)	(0.001 to 10) mm	3 µm	QTS/D-WP-23:2024	P / S
Linear and angular measurements	Geometric length/ thickness/ width/ depth measurement (mold, flakiness gauge, tamping apparatus, liquid limit device, hegman gauge, chain wear gauge, etc...)	(>10 to 100) mm	5 µm	QTS/D-WP-23:2024	P / S

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Linear and angular measurements	Geometric length/ thickness/ width/ depth measurement (mold, flakiness gauge, tamping apparatus, liquid limit device, hegman gauge, chain wear gauge, etc...)	(>100 to 500) mm	9 μ m	QTS/D-WP-23:2024	P / S
Linear and angular measurements	Geometric length/ thickness/ width/ depth measurement (mold, flakiness gauge, tamping apparatus, liquid limit device, hegman gauge, chain wear gauge, etc...)	(>500 to 1000) mm	13 μ m	QTS/D-WP-23:2024	P / S
Linear and angular measurements	Geometric length/ thickness/ width/ depth measurement (mold, flakiness gauge, tamping apparatus, liquid limit device, hegman gauge, chain wear gauge, etc...)	(>1 to 5) m	0.02 mm	QTS/D-WP-23:2024	P / S

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Linear and angular measurements	Laser Distance Meter	(0.001 to 3) m	0.9 mm	QTS/D-WP-37:2024	P
Linear and angular measurements	Laser Distance Meter	(>3 to 10) m	4.7 mm	QTS/D-WP-37:2024	P
Linear and angular measurements	Precision/ Machinist Level	(0.01 to 0.5) mm/m	0.007 mm/m	QTS/D-WP-43:2024	P
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage - Fluke 5522A	(0.0001 to < 330) mV	31 μ V/V	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage - Fluke 5522A	(0.33 to < 3.3) V	16 μ V/V	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage - Fluke 5522A	(3.3 to < 33) V	18 μ V/V	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage - Fluke 5522A	(33 to < 330) V	26 μ V/V	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage - Fluke 5522A	(330 to 1020) V	25 μ V/V	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	DC Current - Direct - Fluke 5522A	(0.001 to < 330) μ A	0.00027	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current - Direct - Fluke 5522A	(0.33 to < 3.3) mA	0.00015	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current - Direct - Fluke 5522A	(3.3 to < 33) mA	0.00014	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current - Direct - Fluke 5522A	(33 to < 330) mA	0.00014	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current - Direct - Fluke 5522A	(0.33 to < 1.1) A	0.00031	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current - Direct - Fluke 5522A	(1.1 to < 3) A	0.00051	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current - Direct - Fluke 5522A	(3 to < 11) A	0.0007	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	DC Current - Direct - Fluke 5522A	(11 to 20.5) A	0.0013	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current - Clamp-on - Fluke 5522A & Fluke 5500A coil	(0.01 to < 16.5) A	0.0095	QTS/E-WP-02:2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current - Clamp-on - Fluke 5522A & Fluke 5500A coil	(16.5 to < 150) A	0.0073	QTS/E-WP-02:2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current - Clamp-on - Fluke 5522A & Fluke 5500A coil	(150 to 1025) A	0.007	QTS/E-WP-02:2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(0.0001 to < 11) Ω	0.00017	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(11 to < 33) Ω	98 $\mu\Omega/\Omega$	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(33 to < 110) Ω	54 $\mu\Omega/\Omega$	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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M 72, WM4, Musaffah, Abu Dhabi, Abu Dhabi, United Arab Emirates

Issue Date: 06/01/2025

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Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(110 to < 330) Ω	46 $\mu\Omega/\Omega$	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(0.33 to < 1.1) k Ω	40 $\mu\Omega/\Omega$	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(1.1 to < 3.3) k Ω	43 $\mu\Omega/\Omega$	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(3.3 to < 11) k Ω	40 $\mu\Omega/\Omega$	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(11 to < 33) k Ω	43 $\mu\Omega/\Omega$	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(33 to < 110) k Ω	40 $\mu\Omega/\Omega$	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(110 to < 330) k Ω	48 $\mu\Omega/\Omega$	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(0.33 to < 1.1) MΩ	45 μΩ/Ω	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(1.1 to < 3.3) MΩ	86 μΩ/Ω	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(3.3 to < 11) MΩ	0.00018	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(11 to < 33) MΩ	0.00041	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(33 to < 110) MΩ	0.00071	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(110 to < 330) MΩ	0.0041	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Fluke 5522A	(0.33 to 1.1) GΩ	0.02	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Earth Resistance (4w) - Fluke 5322A	10 mΩ	0.13	QTS/E-WP-06:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Earth Resistance (4w) - Fluke 5322A	(100 to > 200) mΩ	0.062	QTS/E-WP-06:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Earth Resistance (4w) - Fluke 5322A	(0.2 to < 0.5) Ω	0.027	QTS/E-WP-06:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Earth Resistance (4w) - Fluke 5322A	(0.5 to < 2) Ω	0.0094	QTS/E-WP-06:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Earth Resistance (4w) - Fluke 5322A	(2 to < 5) Ω	0.0059	QTS/E-WP-06:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Earth Resistance (4w) - Fluke 5322A	(5 to < 30) Ω	0.0041	QTS/E-WP-06:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Earth Resistance (4w) - Fluke 5322A	(30 to < 200) Ω	0.0024	QTS/E-WP-06:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Earth Resistance (4w) - Fluke 5322A	(200 to < 500) Ω	0.0024	QTS/E-WP-06:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Earth Resistance (4w) - Fluke 5322A	(0.5 to < 2) kΩ	0.0024	QTS/E-WP-06:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Earth Resistance (4w) - Fluke 5322A	(2 to < 5) kΩ	0.0024	QTS/E-WP-06:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Earth Resistance (4w) - Fluke 5322A	(5 to 10) kΩ	0.0024	QTS/E-WP-06:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Insulation Resistance - Fluke 5322A	(10 to < 40) kΩ	0.0024	QTS/E-WP-09:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Insulation Resistance - Fluke 5322A	(40 to < 100) kΩ	0.0024	QTS/E-WP-09:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Insulation Resistance - Fluke 5322A	(100 to < 200) kΩ	0.0024	QTS/E-WP-09:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Insulation Resistance - Fluke 5322A	(0.2 to < 1) MΩ	0.0024	QTS/E-WP-09:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Insulation Resistance - Fluke 5322A	(1 to < 10) MΩ	0.0035	QTS/E-WP-09:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Insulation Resistance - Fluke 5322A	(10 to < 1000) MΩ	0.0059	QTS/E-WP-09:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Insulation Resistance - Fluke 5322A	(1 to > 10) GΩ	0.012	QTS/E-WP-09:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Insulation Resistance - Fluke 5322A	(10 to 98) GΩ	0.036	QTS/E-WP-09:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (1 to < 33) mV - Fluke 5522A	(10 to 45) Hz	0.0013	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (1 to < 33) mV - Fluke 5522A	> 45 Hz to 10 kHz	0.00045	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (1 to < 33) mV - Fluke 5522A	(> 10 to 20) kHz	0.00051	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (1 to < 33) mV - Fluke 5522A	(> 20 to 50) kHz	0.0016	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (1 to < 33) mV - Fluke 5522A	(> 50 to 100) kHz	0.005	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (1 to < 33) mV - Fluke 5522A	(> 100 to 500) kHz	0.013	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (33 to < 330) mV - Fluke 5522A	(10 to 45) Hz	0.00042	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (33 to < 330) mV - Fluke 5522A	> 45 Hz to 10 kHz	0.00022	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (33 to < 330) mV - Fluke 5522A	(> 10 to 20) kHz	0.00024	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (33 to < 330) mV - Fluke 5522A	(> 20 to 50) kHz	0.00049	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (33 to < 330) mV - Fluke 5522A	(> 50 to 100) kHz	0.0012	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (33 to < 330) mV - Fluke 5522A	(> 100 to 500) kHz	0.0029	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (0.33 to < 3.3) V - Fluke 5522A	(10 to 45) Hz	0.00041	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (0.33 to < 3.3) V - Fluke 5522A	> 45 Hz to 10 kHz	0.00022	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (0.33 to < 3.3) V - Fluke 5522A	(> 10 to 20) kHz	0.00027	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (0.33 to < 3.3) V - Fluke 5522A	(> 20 to 50) kHz	0.00041	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (0.33 to < 3.3) V - Fluke 5522A	(> 50 to 100) kHz	0.00095	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (0.33 to < 3.3) V - Fluke 5522A	(> 100 to 500) kHz	0.0026	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (3.3 to < 33) V - Fluke 5522A	(10 to 45) Hz	0.00042	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (3.3 to < 33) V - Fluke 5522A	> 45 Hz to 10 kHz	0.00022	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (3.3 to < 33) V - Fluke 5522A	(> 10 to 20) kHz	0.00034	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (3.3 to < 33) V - Fluke 5522A	(> 20 to 50) kHz	0.00048	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (3.3 to < 33) V - Fluke 5522A	(> 50 to 100) kHz	0.0013	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (33 to < 330) V - Fluke 5522A	45 Hz to 1 kHz	0.00026	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (33 to < 330) V - Fluke 5522A	(> 1 to 10) kHz	0.00029	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (33 to < 330) V - Fluke 5522A	(> 10 to 20) kHz	0.00035	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (33 to < 330) V - Fluke 5522A	(> 20 to 50) kHz	0.00043	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (33 to < 330) V - Fluke 5522A	(> 50 to 100) kHz	0.0028	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (330 to 1020) V - Fluke 5522A	45 Hz to 1 kHz	0.00037	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (330 to 1020) V - Fluke 5522A	(> 1 to 5) kHz	0.00032	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (330 to 1020) V - Fluke 5522A	(> 5 to 10) kHz	0.00037	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (33 to < 330) μ A - Fluke 5522A	(10 to 20) Hz	0.003	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (33 to < 330) μ A - Fluke 5522A	(> 20 to 45) Hz	0.0024	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (33 to < 330) μ A - Fluke 5522A	> 45 Hz to 1 kHz	0.002	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (33 to < 330) μ A - Fluke 5522A	(> 1 to 5) kHz	0.0045	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (33 to < 330) μ A - Fluke 5522A	(> 5 to 10) kHz	0.012	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (33 to < 330) μ A - Fluke 5522A	(> 10 to 30) kHz	0.023	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (0.33 to < 3.3) mA - Fluke 5522A	(10 to 20) Hz	0.0027	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (0.33 to < 3.3) mA - Fluke 5522A	(> 20 to 45) Hz	0.0017	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (0.33 to < 3.3) mA - Fluke 5522A	> 45 Hz to 1 kHz	0.0014	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (0.33 to < 3.3) mA - Fluke 5522A	(> 1 to 5) kHz	0.0027	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (0.33 to < 3.3) mA - Fluke 5522A	(> 5 to 10) kHz	0.0066	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (0.33 to < 3.3) mA - Fluke 5522A	(> 10 to 30) kHz	0.014	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (3.3 to < 33) mA - Fluke 5522A	(10 to 20) Hz	0.0024	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (3.3 to < 33) mA - Fluke 5522A	(> 20 to 45) Hz	0.0013	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (3.3 to < 33) mA - Fluke 5522A	> 45 Hz to 1 kHz	0.0006	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (3.3 to < 33) mA - Fluke 5522A	(> 1 to 5) kHz	0.0012	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (3.3 to < 33) mA - Fluke 5522A	(> 5 to 10) kHz	0.0027	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (3.3 to < 33) mA - Fluke 5522A	(> 10 to 30) kHz	0.0053	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (33 to < 330) mA - Fluke 5522A	(10 to 20) Hz	0.0024	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (33 to < 330) mA - Fluke 5522A	(> 20 to 45) Hz	0.0013	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (33 to < 330) mA - Fluke 5522A	> 45 Hz to 1 kHz	0.0006	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (33 to < 330) mA - Fluke 5522A	(> 1 to 5) kHz	0.0015	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (33 to < 330) mA - Fluke 5522A	(> 5 to 10) kHz	0.003	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (33 to < 330) mA - Fluke 5522A	(> 10 to 30) kHz	0.0061	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (0.33 to < 1.1) A - Fluke 5522A	(10 to 45) Hz	0.0025	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (0.33 to < 1.1) A - Fluke 5522A	> 45 Hz to 1 kHz	0.0008	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (0.33 to < 1.1) A - Fluke 5522A	(> 1 to 5) kHz	0.0089	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (0.33 to < 1.1) A - Fluke 5522A	(> 5 to 10) kHz	0.038	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (1.1 to < 3) A - Fluke 5522A	(10 to 45) Hz	0.022	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (1.1 to < 3) A - Fluke 5522A	> 45 Hz to 1 kHz	0.0008	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (1.1 to < 3) A - Fluke 5522A	(> 1 to 5) kHz	0.0074	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (1.1 to < 3) A - Fluke 5522A	(> 5 to 10) kHz	0.032	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (3 to < 11) A - Fluke 5522A	(10 to 100) Hz	0.011	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (3 to < 11) A - Fluke 5522A	(> 0.1 to 1) kHz	0.0016	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (3 to < 11) A - Fluke 5522A	(> 1 to 5) kHz	0.039	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (11 to 20.5) A - Fluke 5522A	(45 to 100) Hz	0.018	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (11 to 20.5) A - Fluke 5522A	(> 0.1 to 1) kHz	0.0021	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current - Direct (11 to 20.5) A - Fluke 5522A	(> 1 to 5) kHz	0.037	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current – Clamp-on (0.1 to < 16.5) A - Fluke 5522A & Fluke 5500A coil	(45 to 65) Hz	0.0091	QTS/E-WP- 01:2024 EURAMET cg- 15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current – Clamp-on (0.1 to < 16.5) A - Fluke 5522A & Fluke 5500A coil	(> 65 to 440) Hz	0.014	QTS/E-WP- 01:2024 EURAMET cg- 15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current – Clamp-on (16.5 to < 150) A - Fluke 5522A & Fluke 5500A coil	(45 to 65) Hz	0.0093	QTS/E-WP- 01:2024 EURAMET cg- 15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current – Clamp-on (16.5 to < 150) A - Fluke 5522A & Fluke 5500A coil	(> 65 to 440) Hz	0.014	QTS/E-WP- 01:2024 EURAMET cg- 15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current – Clamp-on (150 to 1025) A - Fluke 5522A & Fluke 5500A coil	(45 to 65) Hz	0.0083	QTS/E-WP- 01:2024 EURAMET cg- 15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current – Clamp-on (150 to 1025) A - Fluke 5522A & Fluke 5500A coil	(> 65 to 440) Hz	0.014	QTS/E-WP- 01:2024 EURAMET cg- 15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(220 to < 440) pF	0.047	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(0.4 to < 1.1) nF	0.019	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(1.1 to < 3.3) nF	0.011	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(3.3 to < 11) nF	0.0044	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(11 to < 33) nF	0.0071	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(33 to < 110) nF	0.0044	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(110 to < 330) nF	0.0044	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(0.33 to < 1.1) μ F	0.0044	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(1.1 to < 3.3) μ F	0.0044	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(3.3 to < 11) μ F	0.0045	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(11 to < 33) μ F	0.0064	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(33 to < 110) μ F	0.0071	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(110 to < 330) μ F	0.0071	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(0.33 to < 1.1) mF	0.0071	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(1.1 to < 3.3) mF	0.0071	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(3.3 to < 11) mF	0.0071	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(11 to < 33) mF	0.011	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 5522A	(33 to 110) mF	0.016	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency -Fluke 5522A	(0.01 to < 120) Hz	4 μ Hz/Hz	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency -Fluke 5522A	(0.12 to < 120) kHz	4 μ Hz/Hz	QTS/E-WP-01:2024 EURAMET cg-15	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency -Fluke 5522A	(0.12 to 2) MHz	3 μ Hz/Hz	QTS/E-WP-01:2024 EURAMET cg-15	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	DC Power -Fluke 5522A (3 to 1020) V, (0.1 to 20)	0.3 W to 3.06 kW	0.0011	QTS/E-WP-01:2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Power -Fluke 5522A (3 to 1020) V, (0.1 to 20)	(> 3.06 to 20.4) kW	0.0014	QTS/E-WP-01:2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Power -Fluke 5522A (3 to 1020) V, (0.1 to 20) A, 45 Hz to 50 kHz (Single Phase)	0.3 W to 3.06 kW	0.0018	QTS/E-WP-01:2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Power -Fluke 5522A (3 to 1020) V, (0.1 to 20) A, 45 Hz to 50 kHz (Single Phase)	(> 3.06 to 20.4) kW	0.0019	QTS/E-WP-01:2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Phase Angle -Fluke 5522A (10 Hz to 30 kHz)	(0.01 to 90)°	0.007	QTS/E-WP-01:2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	1.05 mΩ @30 A max	0.24 mΩ	QTS/E-WP-07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	16.43 mΩ @30 A max	0.47 mΩ	QTS/E-WP-07:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	42.28 mΩ @28 A max	0.82 mΩ	QTS/E-WP-07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	85.4 mΩ @ 25A max	1.4 mΩ	QTS/E-WP-07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	340.6 mΩ @14 A max	2.4 mΩ	QTS/E-WP-07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	479.3 mΩ @12 A max	3.2 mΩ	QTS/E-WP-07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	867.4 mΩ @ 8 A max	5.7 mΩ	QTS/E-WP-07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	1.693 Ω @ 6 A max	0.01 Ω	QTS/E-WP-07:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	4.647 Ω @ 3.2 A max	0.03 Ω	QTS/E-WP- 07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	8.703 Ω @ 2 A max	0.06 Ω	QTS/E-WP- 07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	16.93 Ω @ 1.5 A max	0.06 Ω	QTS/E-WP- 07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	46.89 Ω @ 0.8 A max	0.35 Ω	QTS/E-WP- 07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	90.93 Ω @ 0.5 A max	0.59 Ω	QTS/E-WP- 07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	172.85 Ω @ 0.25Amax	1.2 Ω	QTS/E-WP- 07:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	471.5 Ω @ 0.1 A max	3.0 Ω	QTS/E-WP- 07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	881.3 Ω @ 50 mA max	5.9 Ω	QTS/E-WP- 07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Ground Bond Resistance ;Loop Impedance; Line Impedance (4-wire) -Fluke 5322A	1.7 k Ω @ 30 mA max	0.02 k Ω	QTS/E-WP- 07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	30.32 m Ω	9.4 m Ω	QTS/E-WP- 08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	55.59 m Ω	9.4 m Ω	QTS/E-WP- 08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	94.5 m Ω	9.4 m Ω	QTS/E-WP- 08:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	355.9 mΩ	9.4 mΩ	QTS/E-WP-08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	495.7 mΩ	9.4 mΩ	QTS/E-WP-08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	884.7 mΩ	11.7 mΩ	QTS/E-WP-08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	1.710 Ω	0.02 Ω	QTS/E-WP-08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	4.665 Ω	0.04 Ω	QTS/E-WP-08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	8.716 Ω	0.06 Ω	QTS/E-WP-08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	16.944 Ω	0.11 Ω	QTS/E-WP-08:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	46.90 Ω	0.30 Ω	QTS/E-WP-08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	90.94 Ω	0.53 k Ω	QTS/E-WP-08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	172.79 Ω	1.2 k Ω	QTS/E-WP-08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	471.5 Ω	3.0 k Ω	QTS/E-WP-08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	881.5 Ω	5.9 Ω	QTS/E-WP-08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Loop / Line Impedance (2-wire; 50 Hz) -Fluke 5322A	1.7 k Ω	0.02 k Ω	QTS/E-WP-08:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Leakage Current - Fluke 5322A	(100 to 300) μ A	0.012	QTS/E-WP-07:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Leakage Current - Fluke 5322A	(> 0.3 to 3) mA	0.0045	QTS/E-WP-07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Leakage Current - Fluke 5322A	(> 3 to 30) mA	0.0038	QTS/E-WP-07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Trip Current - Residual Current Device (RCD) - Fluke 5322A	(10 to 30) mA	0.012	QTS/E-WP-07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Trip Current - Residual Current Device (RCD) - Fluke 5322A	(> 30 to 300) mA	0.012	QTS/E-WP-07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Trip Current - Residual Current Device (RCD) - Fluke 5322A	(>0.3 to 3) A	0.012	QTS/E-WP-07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Trip Time - Residual Current Device (RCD) -Fluke 5322A	10 ms to 4.1 s	0.0061	QTS/E-WP-07:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Oscilloscope Amplitude (Vertical Axis) -Fluke 5522A/6-240 Oscilloscope Option	1 mV to 130 V	0.006	QTS/E-WP-04:2021 EURAMET cg-07	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Oscilloscope Period (Horizontal Axis) - Fluke 5522A/6-240 Oscilloscope Option	2 ns to 5 s	68 μ s/s	QTS/E-WP-04:2021 EURAMET cg-07	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Oscilloscope Bandwidth -Fluke 5522A/6-240 Oscilloscope Option	(1 to 600) MHz	0.035	QTS/E-WP-04:2021 EURAMET cg-07	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage -Fluke 8588A	(0.001 to 200) mV	19 μ V/V	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage -Fluke 8588A	(> 0.2 to 2) V	7 μ V/V	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage -Fluke 8588A	(> 2 to 20) V	8 μ V/V	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage -Fluke 8588A	(> 20 to 200) V	10 μ V/V	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage -Fluke 8588A	(> 200 to 1000) V	15 μ V/V	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage - Fluke 5322A	(> 1 to 5) kV	0.005	QTS/E-WP-03:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage - Fluke 5322A	(> 5 to 10) kV	0.0034	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Voltage - Fluke 5322A	(> 10 to 40) kV	0.005	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current -Fluke 8588A	(0.1 to 20) μ A	94 μ A/A	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current -Fluke 8588A	(>20 to 200) μ A	22 μ A/A	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current -Fluke 8588A	(0.2 to 2) mA	29 μ A/A	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current -Fluke 8588A	(2 to 20) mA	25 μ A/A	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current -Fluke 8588A	(20 to 200) mA	0.0001	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current -Fluke 8588A	(>0.2 to 2) A	0.00032	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current -Fluke 8588A	(>2 to 10) A	0.00042	QTS/E-WP-03:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	DC Current -Fluke 8588A	(>10 to 30) A	0.0011	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current Source, Welding machine and similar	(10 to 900) A	0.016	QTS/E-WP-10:2022	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Normal -Fluke 8588A	(0.0001 to 2) Ω	83 $\mu\Omega/\Omega$	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Normal -Fluke 8588A	(> 2 to 20) Ω	21 $\mu\Omega/\Omega$	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Normal -Fluke 8588A	(> 20 to 200) Ω	16 $\mu\Omega/\Omega$	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Normal -Fluke 8588A	(> 0.2 to 2) k Ω	18 $\mu\Omega/\Omega$	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Normal -Fluke 8588A	(> 2 to 20) k Ω	21 $\mu\Omega/\Omega$	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Normal -Fluke 8588A	(> 20 to 200) k Ω	18 $\mu\Omega/\Omega$	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Normal -Fluke 8588A	(> 0.2 to 2) M Ω	18 $\mu\Omega/\Omega$	QTS/E-WP-03:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Normal -Fluke 8588A	(> 2 to 20) MΩ	43 μΩ/Ω	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Normal -Fluke 8588A	(> 20 to 100) MΩ	0.0003	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - Normal -Fluke 8588A	(0.1 to 1) GΩ	0.0032	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - HV - Fluke 8588A	(0.1 to 1) GΩ-HV	0.0008	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance - HV - Fluke 8588A	(> 1 to 10) GΩ-HV	0.0032	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (0.0001 to 10) mV -Fluke 8588A	10 Hz to 2 kHz	0.00058	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (0.0001 to 10) mV -Fluke 8588A	(> 2 to 10) kHz	0.00073	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (0.0001 to 10) mV -Fluke 8588A	(> 10 to 30) kHz	0.00089	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (0.0001 to 10) mV -Fluke 8588A	(> 30 to 100) kHz	0.0045	QTS/E-WP-03:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (0.0001 to 10) mV -Fluke 8588A	(> 100 to 300) kHz	0.017	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (0.0001 to 10) mV -Fluke 8588A	(> 0.3 to 1) MHz	0.031	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 10 to 100) mV -Fluke 8588A	10 Hz to 2 kHz	0.00016	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 10 to 100) mV -Fluke 8588A	(> 2 to 10) kHz	0.00025	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 10 to 100) mV -Fluke 8588A	(> 10 to 30) kHz	0.00047	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 10 to 100) mV -Fluke 8588A	(> 30 to 100) kHz	0.0011	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 10 to 100) mV -Fluke 8588A	(> 100 to 300) kHz	0.0045	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 10 to 100) mV -Fluke 8588A	(> 0.3 to 1) MHz	0.015	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 0.1 to 1) -Fluke 8588A	10 Hz to 2 kHz	0.00014	QTS/E-WP-03:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 0.1 to 1) -Fluke 8588A	(> 2 to 10) kHz	0.00023	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 0.1 to 1) -Fluke 8588A	(> 10 to 30) kHz	0.00048	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 0.1 to 1) -Fluke 8588A	(> 30 to 100) kHz	0.0012	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 0.1 to 1) -Fluke 8588A	(> 100 to 300) kHz	0.0048	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 0.1 to 1) -Fluke 8588A	(> 0.3 to 1) MHz	0.017	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 1 to 10) V -Fluke 8588A	10 Hz to 2 kHz	0.00015	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 1 to 10) V -Fluke 8588A	(> 2 to 10) kHz	0.00021	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 1 to 10) V -Fluke 8588A	(> 10 to 30) kHz	0.00042	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 1 to 10) V -Fluke 8588A	(> 30 to 100) kHz	0.001	QTS/E-WP-03:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 1 to 10) V -Fluke 8588A	(> 100 to 300) kHz	0.0042	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 1 to 10) V -Fluke 8588A	(> 0.3 to 1) MHz	0.015	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 10 to 100) V -Fluke 8588A	10 Hz to 2 kHz	0.00015	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 10 to 100) V -Fluke 8588A	(> 2 to 10) kHz	0.00021	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 10 to 100) V -Fluke 8588A	(> 10 to 30) kHz	0.00043	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 10 to 100) V -Fluke 8588A	(> 30 to 100) kHz	0.0012	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 10 to 100) V -Fluke 8588A	(> 100 to 300) kHz	0.0069	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 10 to 100) V -Fluke 8588A	(> 0.3 to 1) MHz	0.019	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 100 to 1000) V -Fluke 8588A	10 Hz to 2 kHz	0.00021	QTS/E-WP-03:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 100 to 1000) V -Fluke 8588A	(> 2 to 10) kHz	0.0002	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage (> 100 to 1000) V -Fluke 8588A	(> 10 to 30) kHz	0.00054	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Electrical	(> 30 to 100) kHz	0.0012	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC High Voltage (> 1 to 5) kV -Fluke 5322A	(50 to 60) Hz	0.0068	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC High Voltage (>5 to 7) kV -Fluke 5322A	(50 to 60) Hz	0.0079	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC High Voltage (>7 to 25) kV -Fluke 5322A	(50 to 60) Hz	0.012	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 10 to 100) μ A -Fluke 8588	10 Hz to 2 kHz	0.0006	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 10 to 100) μ A -Fluke 8588	(> 2 to 10) kHz	0.0009	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current 10 to 100) μ A -Fluke 8588	(> 10 to 30) kHz	0.0013	QTS/E-WP-03:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 0.1 to 1) mA -Fluke 8588	10 Hz to 2 kHz	0.0012	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 0.1 to 1) mA -Fluke 8588	(> 2 to 10) kHz	0.0072	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 0.1 to 1) mA -Fluke 8588	(> 10 to 30) kHz	0.0043	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 1 to 10) mA -Fluke 8588	10 Hz to 2 kHz	0.0005	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 1 to 10) mA -Fluke 8588	(> 2 to 10) kHz	0.0009	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 1 to 10) mA -Fluke 8588	(> 10 to 30) kHz	0.0011	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 10 to 100) -Fluke 8588	10 Hz to 2 kHz	0.0005	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 10 to 100) -Fluke 8588	(> 2 to 10) kHz	0.0009	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 10 to 100) -Fluke 8588	(> 10 to 30) kHz	0.0011	QTS/E-WP-03:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 0.1 to 1) A -Fluke 8588	10 Hz to 2 kHz	0.0006	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 0.1 to 1) A -Fluke 8588	(> 2 to 10) kHz	0.0013	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 0.1 to 1) A -Fluke 8588	(> 10 to 30) kHz	0.0012	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 1 to 10) A -Fluke 8588	10 Hz to 2 kHz	0.0018	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 1 to 10) A -Fluke 8588	(> 2 to 10) kHz	0.0018	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 10 to 30) A -Fluke 8588	10 Hz to 2 kHz	0.0019	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current (> 10 to 30) A -Fluke 8588	(> 2 to 10) kHz	0.0021	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current ,Welding machine and similar (10 to 900) A	40 to 400 Hz	0.021	QTS/E-WP-10:2022	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 8588A	(0.001 to 2) nF	0.0042	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 8588A	(> 2 to 20) nF	0.0034	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 8588A	(> 20 to 200) nF	0.0009	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 8588A	(> 0.2 to 2) μ F	0.0009	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 8588A	(> 2 to 20) μ F	0.0008	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 8588A	(> 20 to 200) μ F	0.0011	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 8588A	(> 0.2 to 2) mF	0.0011	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 8588A	(> 2 to 20) mF	0.0013	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance -Fluke 8588A	(> 20 to 100) mF	0.0014	QTS/E-WP-03:2021	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Frequency -Fluke 8588A	10 Hz to 100 MHz	1 μ Hz/Hz	QTS/E-WP-03:2021	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type B	(600 to 800) °C	0.68 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type B	(> 800 to 1000) °C	0.56 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type B	(> 1000 to 1550) °C	0.45 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type B	(> 1550 to 1820) °C	0.47 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type E	(-250 to -100) °C	0.41 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type E	(> -100 to -25) °C	0.16 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type E	(> -25 to 350) °C	0.14 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type E	(> 350 to 650) °C	0.15 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S

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Accreditation Scope

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Calibration Laboratory, (ISO/IEC 17025:2017)

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Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type E	(> 650 to 1000) °C	0.19 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type J	(-210 to -100) °C	0.25 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type J	(> -100 to -30) °C	0.17 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type J	(> -30 to 150) °C	0.15 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type J	(> 150 to 760) °C	0.17 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type J	(> 150 to 760) °C	0.21 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type K	(-200 to -100) °C	0.31 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type K	(> -100 to -25) °C	0.20 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type K	(> -25 to 120) °C	0.19 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type K	(> 120 to 1000) °C	0.25 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type K	(> 1000 to 1372) °C	0.36 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type N	(-200 to -100) °C	0.38 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type N	(> -100 to -25) °C	0.25 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type N	(> -25 °C to 120) °C	0.22 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type N	(> 120 to 410) °C	0.20 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type N	(> 410 to 1300) °C	0.25 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type R	(0 to 250) °C	0.65 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type R	(> 250 to 400) °C	0.50 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type R	(> 400 to 1000) °C	0.42 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type R	(> 1000 to 1767) °C	0.47 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type S	(0 to 250) °C	0.61 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type S	(> 250 to 1000) °C	0.53 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type S	(> 1000 to 1400) °C	0.47 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type S	(> 1400 to 1767) °C	0.55 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type T	(-250 to -150) °C	0.83 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type T	(> -150 to 0) °C	0.23 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type T	(> 0 to 120) °C	0.17 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Thermocouple Type T	(> 120 to 400) °C	0.15 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 100 Ω	(-200 to -80) °C	0.06 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 100 Ω	(> -80 to 0) °C	0.06 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 100 Ω	(> 0 to 100) °C	0.07 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 100 Ω	(> 100 to 300) °C	0.09 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 100 Ω	(> 300 to 400) °C	0.10 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 100 Ω	(> 400 to 630) °C	0.12 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 100 Ω	(> 630 to 800) °C	0.22 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3926, 100 Ω	(-200 to -80) °C	0.06 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3926, 100 Ω	(> -80 to 0) °C	0.06 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3926, 100 Ω	(> 0 to 100) °C	0.07 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3926, 100 Ω	(> 100 to 300) °C	0.09 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3926, 100 Ω	(> 300 to 400) °C	0.10 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3926, 100 Ω	(> 400 to 630) °C	0.12 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3916, 100 Ω	(-200 to -190) °C	0.20 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3916, 100 Ω	(> -190 to -80) °C	0.05 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3916, 100 Ω	(> -80 to 0) °C	0.06 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3916, 100 Ω	(> 0 to 100) °C	0.06 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3916, 100 Ω	(> 100 to 260) $^{\circ}\text{C}$	0.07 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3916, 100 Ω	(> 260 to 300) $^{\circ}\text{C}$	0.08 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3916, 100 Ω	(> 300 to 400) $^{\circ}\text{C}$	0.09 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3916, 100 Ω	(> 400 to 600) $^{\circ}\text{C}$	0.10 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 3916, 100 Ω	(> 600 to 630) $^{\circ}\text{C}$	0.20 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 200 Ω	(-200 to -80) $^{\circ}\text{C}$	0.04 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 200 Ω	(> -80 to 0) $^{\circ}\text{C}$	0.04 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 200 Ω	(> 0 to 100) $^{\circ}\text{C}$	0.04 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 200 Ω	(> 100 to 260) $^{\circ}\text{C}$	0.05 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 200 Ω	(> 260 to 300) $^{\circ}\text{C}$	0.10 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 200 Ω	(> 300 to 400) $^{\circ}\text{C}$	0.11 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 200 Ω	(> 400 to 600) $^{\circ}\text{C}$	0.12 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 200 Ω	(> 600 to 630) $^{\circ}\text{C}$	0.13 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 500 Ω	(-200 to -80) $^{\circ}\text{C}$	0.04 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 500 Ω	(> -80 to 0) $^{\circ}\text{C}$	0.05 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 500 Ω	(> 0 to 100) $^{\circ}\text{C}$	0.05 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 500 Ω	(> 100 to 260) $^{\circ}\text{C}$	0.05 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 500 Ω	(> 260 to 300) $^{\circ}\text{C}$	0.07 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 500 Ω	(> 300 to 400) $^{\circ}\text{C}$	0.07 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 500 Ω	(> 400 to 600) $^{\circ}\text{C}$	0.08 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 500 Ω	(> 600 to 630) $^{\circ}\text{C}$	0.09 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 1 k Ω	(-200 to -80) $^{\circ}\text{C}$	0.03 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 1 k Ω	(> -80 to 0) $^{\circ}\text{C}$	0.03 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 1 k Ω	(> 0 to 100) $^{\circ}\text{C}$	0.04 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 1 k Ω	(> 100 to 260) $^{\circ}\text{C}$	0.05 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 1 k Ω	(> 260 to 300) $^{\circ}\text{C}$	0.05 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 1 k Ω	(> 300 to 400) $^{\circ}\text{C}$	0.06 $^{\circ}\text{C}$	QTS/E-WP-05:2021 - Euramet cg-11	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 1 kΩ	(> 400 to 600) °C	0.06 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Electricity. Magnetism. Electrical and magnetic measurements	RTD - Pt 385, 1 kΩ	(> 600 to 630) °C	0.18 °C	QTS/E-WP-05:2021 - Euramet cg-11	P/S
Thermodynamics and temperature measurements	Direct Indicating Thermometer with Thermocouple Sensors	(-40 to 0) °C	0.18 °C	QTS/T-WP-01:2024 Euramet cg-08	P/S
Thermodynamics and temperature measurements	Direct Indicating Thermometer with Thermocouple Sensors	(> 0 to 120) °C	0.27 °C	QTS/T-WP-01:2024 Euramet cg-08	P/S
Thermodynamics and temperature measurements	Direct Indicating Thermometer with Thermocouple Sensors	(> 120 to 300) °C	0.60 °C	QTS/T-WP-01:2024 Euramet cg-08	P/S
Thermodynamics and temperature measurements	Direct Indicating Thermometer with Thermocouple Sensors	(> 300 to 650) °C	1.2 °C	QTS/T-WP-01:2024 Euramet cg-08	P/S
Thermodynamics and temperature measurements	Direct Indicating Thermometer with Thermocouple Sensors	(> 650 to 900) °C	2.9 °C	QTS/T-WP-01:2024 Euramet cg-08	P/S

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Thermodynamics and temperature measurements	Direct Indicating Thermometer with Thermocouple Sensors	(> 900 to 1200) °C	3.2 °C	QTS/T-WP-01:2024 Euramet cg-08	P/S
Thermodynamics and temperature measurements	Direct Indicating Thermometer with RTD Sensors	(-40 to 120) °C	0.17 °C	QTS/T-WP-01:2024 ASTM E2877	P/S
Thermodynamics and temperature measurements	Direct Indicating Thermometer with RTD Sensors	(> 120 to 300) °C	0.30 °C	QTS/T-WP-01:2024 ASTM E2877	P/S
Thermodynamics and temperature measurements	Direct Indicating Thermometer with RTD Sensors	(> 300 to 650) °C	0.36 °C	QTS/T-WP-01:2024 ASTM E2877	P/S
Thermodynamics and temperature measurements	Liquid-in-glass Thermometer	(-40 to 50) °C	0.21 °C	QTS/T-WP-03:2021 OIML R 133	P
Thermodynamics and temperature measurements	Liquid-in-glass Thermometer	(> 50 to 250) °C	0.26 °C	QTS/T-WP-03:2021 OIML R 133	P
Thermodynamics and temperature measurements	Infrared Thermometer -Body Mode	(20 to 50) °C	0.3 °C	QTS/T-WP-02:2024 ASTM E2847	P
Thermodynamics and temperature measurements	Infrared Thermometer -Surface Mode	(-30 to 10) °C	2.7 °C	QTS/T-WP-02:2024 ASTM E2847	P

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Thermodynamics and temperature measurements	Infrared Thermometer - Surface Mode	(> 10 to 150) °C	1.7 °C	QTS/T-WP-02:2024 ASTM E2847	P
Thermodynamics and temperature measurements	Infrared Thermometer - Surface Mode	(> 150 to 500) °C	2.4 °C	QTS/T-WP-02:2024 ASTM E2847	P
Thermodynamics and temperature measurements	Infrared Thermometer - Surface Mode	(>500 to 1500) °C	4.8 °C	QTS/T-WP-02:2024 ASTM E2847	P
Thermodynamics and temperature measurements	Dry Block Calibrator	(-40 to 600) °C	0.24 °C	QTS/T-WP-05:2022 Euramet cg-13	P/S
Thermodynamics and temperature measurements	Dry Block Calibrator	(> 600 to 1200) °C	2.9 °C	QTS/T-WP-05:2022 Euramet cg-13	P/S
Thermodynamics and temperature measurements	Climatic Chamber (Calibration of chillers, freezers, incubators, ovens, etc. 1 pt./9 pt.)	(-30 to 120) °C	0.52 °C	QTS/T-WP-04:2024 DKD-R 5-7 Methods (A, B & C)	P/S
Thermodynamics and temperature measurements	Climatic Chamber (Calibration of chillers, freezers, incubators, ovens, etc. 1 pt./9 pt.)	(> 120 to 300) °C	1.4 °C	QTS/T-WP-04:2024 DKD-R 5-7 Methods (A, B & C)	P/S

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Calibration Laboratory, (ISO/IEC 17025:2017)

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Thermodynamics and temperature measurements	Climatic Chamber (Calibration of Furnace, Asphalt Content, etc...1 pt.)	Ambient temperature up to 300 °C	0.7 °C	QTS/T-WP-04:2024 DKD-R 5-7 Methods C	P/S
Thermodynamics and temperature measurements	Climatic Chamber (Calibration of Furnace, Asphalt Content, etc...1 pt.)	(> 300 to 1200) °C	2.1 °C	QTS/T-WP-04:2024 DKD-R 5-7 Methods C	P/S
Thermodynamics and temperature measurements	Liquid Bath (5 pt. calibration)	(-30 to 120) °C	0.52°C	QTS/T-WP-04:2024 DKD-R 5-7 Methods C	P/S
Thermodynamics and temperature measurements	Liquid Bath (5 pt. calibration)	(> 120 to 300) °C	1.4 °C	QTS/T-WP-04:2024 DKD-R 5-7 Methods C	P/S
Thermodynamics and temperature measurements	Humidity Chamber 1 pt.	(5 to 99) % RH	2.7 %RH	QTS/T-WP-04:2024 DKD-R 5-7 Methods C	P/S
Thermodynamics and temperature measurements	Thermo-hygrometer	(5 to 50) °C	0.3 °C	QTS/T-WP-06:2024	P
Thermodynamics and temperature measurements	Thermo-hygrometer	(15 to 99) % RH	2.7 %RH	QTS/T-WP-06:2024	P
Thermodynamics and temperature measurements	Autoclave, and similar	(- 25 to 140) °C	0.3 °C	QTS/T-WP-07:2021	P/S

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Thermodynamics and temperature measurements	Autoclave, and similar	(0.05 to 4) bar	0.04 bar	QTS/T-WP-07:2021	P/S
Measurement of force, weight and pressure	Vacuum	(-0.98 to -0.4) bar	2 mbar	QTS/P-WP-01:2024 ISO 3567	P/S
Measurement of force, weight and pressure	Vacuum	(> -0.4 to 0) bar	0.2 mbar	QTS/P-WP-01:2024 ISO 3567	P/S
Measurement of force, weight and pressure	Pressure – (Pneumatic)	(> 0 to 0.4) bar	04 mbar	QTS/P-WP-01:2024 DKD-R 6-1	P/S
Measurement of force, weight and pressure	Pressure – (Pneumatic)	(> 0.4 to 20) bar	1.7 mbar	QTS/P-WP-01:2024 DKD-R 6-1	P/S
Measurement of force, weight and pressure	Pressure – (Pneumatic)	(> 20 to 160) bar	10 mbar	QTS/P-WP-01:2024 DKD-R 6-1	P/S
Measurement of force, weight and pressure	Pressure – (Hydraulic)	(0 to 700) bar	0.1 bar	QTS/P-WP-01:2024 DKD-R 6-1	P/S
Measurement of force, weight and pressure	Pressure – (Hydraulic)	(> 700 to 2500) bar	2.0 bar	QTS/P-WP-01:2024 DKD-R 6-1	P/S
Measurement of force, weight and pressure	Pressure – (Differential)	(>100 to 100) Pa	0.5 Pa	QTS/P-WP-01:2024 DKD-R 6-1	P/S

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Measurement of force, weight and pressure	Barometer, and similar	(500 to 1100) hPa	0.7 hPa	QTS/P-WP-02:2021	P
Measurement of time, velocity, acceleration, angular velocity	Tachometer, contact rotation measuring instrument	(6 to 100) rpm	0.8 rpm	QTS/Ph-WP-01:2022	P/S
Measurement of time, velocity, acceleration, angular velocity	Tachometer, contact rotation measuring instrument	(> 100 to 1000) rpm	0.9 rpm	QTS/Ph-WP-01:2022	P/S
Measurement of time, velocity, acceleration, angular velocity	Tachometer, contact rotation measuring instrument	(> 1 to 10) krpm	2.1 rpm	QTS/Ph-WP-01:2022	P/S
Measurement of time, velocity, acceleration, angular velocity	Tachometer, non-contact rotation measuring instrument (optical)	(6 to 60) rpm	0.3 rpm	QTS/Ph-WP-01:2022	P/S
Measurement of time, velocity, acceleration, angular velocity	Tachometer, non-contact rotation measuring instrument (optical)	(> 60 to 600) rpm	0.4 rpm	QTS/Ph-WP-01:2022	P/S
Measurement of time, velocity, acceleration, angular velocity	Tachometer, non-contact rotation measuring instrument (optical)	600 rpm to 6 krpm	0.4 rpm	QTS/Ph-WP-01:2022	P/S
Measurement of time, velocity, acceleration, angular velocity	Tachometer, non-contact rotation measuring instrument (optical)	(> 6 to 60) krpm	0.9 rpm	QTS/Ph-WP-01:2022	P/S

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Measurement of time, velocity, acceleration, angular velocity	Tachometer, non-contact rotation measuring instrument (optical)	(> 60 to 100) krpm	1.2 rpm	QTS/Ph-WP-01:2022	P/S
Measurement of time, velocity, acceleration, angular velocity	Centrifuge, Extractor machines, motors, or similar	(6 to 100) rpm	0.8 rpm	QTS/Ph-WP-01:2022	P/S
Measurement of time, velocity, acceleration, angular velocity	Centrifuge, Extractor machines, motors, or similar	(> 100 to 5000) rpm	0.9 rpm	QTS/Ph-WP-01:2022	P/S
Measurement of time, velocity, acceleration, angular velocity	Centrifuge, Extractor machines, motors, or similar	(> 1 to 30) krpm	2.0 rpm	QTS/Ph-WP-01:2022	P/S
Measurement of time, velocity, acceleration, angular velocity	Centrifuge, Extractor machines, motors, or similar	(> 30 to 50) krpm	3.5 rpm	QTS/Ph-WP-01:2022	P/S
Measurement of time, velocity, acceleration, angular velocity	Centrifuge, Extractor machines, motors, or similar	(> 50 to 100) krpm	3.9 rpm	QTS/Ph-WP-01:2022	P/S
Measurement of time, velocity, acceleration, angular velocity	Air meter, Anemometer, Air Flow measurement	(0.1 to 30) m/s	0.03	QTS/En-WP-03:2021	P
Measurement of volume, mass, density, viscosity	pH Meter	(4, 7, 10) pH @ 25°C	0.03 pH	QTS/En-WP-04:2021	P/S

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Measurement of volume, mass, density, viscosity	Electrical Conductivity (EC) Meter	100, 1413, 10000) $\mu\text{S}/\text{cm}$ @ 25°C	0.017	QTS/En-WP-04:2021	P/S
Measurement of volume, mass, density, viscosity	Total Dissolved Solids (TDS) Meter	(66, 941, 6656) ppm @ 25°C	0.017	QTS/En-WP-04:2021	P/S
Measurement of volume, mass, density, viscosity	Kinematic Viscosity (BS/ ISO/Ford cup, glass capillary, or similar)	(30 to 25000) cSt @ 25°C	0.033	QTS/En-WP-04:2021	P/S
Measurement of volume, mass, density, viscosity	Dynamic Viscosity (viscometer, BS/ ISO/Ford cup, or similar)	(50 to 22000) mPa.s @ 25°C	0.032	QTS/En-WP-04:2021	P/S
Measurement of volume, mass, density, viscosity	Liquid Densitometer	0.8 to 1 g/cm ³	0.006 g/cm ³	QTS/Ph-WI-10:2024	P
Measurement of volume, mass, density, viscosity	Density Hydrometer	(0.70 to 1.50) g/ml	0.0012 g/ml	QTS/Ph-WI-11:2024	P
Acoustics and acoustic measurements	Acoustic Sound Level Meter	74 dB	0.2 dB	QTS/En-WP-01:2021	P
Acoustics and acoustic measurements	Acoustic Sound Level Meter	84 dB	0.2 dB	QTS/En-WP-01:2021	P
Acoustics and acoustic measurements	Acoustic Sound Level Meter	94 dB	0.2 dB	QTS/En-WP-01:2021	P

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Acoustics and acoustic measurements	Acoustic Sound Level Meter	104 dB	0.2 dB	QTS/En-WP-01:2021	P
Acoustics and acoustic measurements	Acoustic Sound Level Meter	114 dB	0.2 dB	QTS/En-WP-01:2021	P
Acoustics and acoustic measurements	Acoustic Calibrator	74 dB	0.8 dB	QTS/En-WP-01:2021	P
Acoustics and acoustic measurements	Acoustic Calibrator	84 dB	0.8 dB	QTS/En-WP-01:2021	P
Acoustics and acoustic measurements	Acoustic Calibrator	94 dB	0.8 dB	QTS/En-WP-01:2021	P
Acoustics and acoustic measurements	Acoustic Calibrator	104 dB	0.8 dB	QTS/En-WP-01:2021	P
Acoustics and acoustic measurements	Acoustic Calibrator	114 dB	0.8 dB	QTS/En-WP-01:2021	P
Measurement of time, velocity, acceleration, angular velocity	Stopwatch and Timer	1 s to 24 hr	0.2 s/hr	QTS/Ph-WP-02:2024	P/S
Illuminance	Light Meter, Illuminance Measurement	(0.1 to 200) klux	0.044	QTS/En-WP-02:2024	P/S
Material Gloss	Gloss Meter	(0 to 100) Gloss unit	2 Gu	QTS/Ph-WP-05:2023	P/S

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Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Rockwell 35 HRA	0.8 HRA	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Rockwell 55 HRA	0.6 HRA	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Rockwell 78 HRA	0.7 HRA	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Rockwell 35 HRB	0.8 HRB	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Rockwell 55 HRB	0.6 HRB	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Rockwell 77 HRB	0.7 HRB	QTS/Ph-WP-03:2024	P/S

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Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Rockwell 28 HRC	0.9 HRC	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Rockwell 45 HRC	0.7 HRC	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Rockwell 64 HRC	0.6 HRC	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Superficial Rockwell 77 RH15N	0.7 HR15N	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Superficial Rockwell 88 RH15N	0.7 HR15N	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Superficial Rockwell 43 HR30N	0.7 HR30N	QTS/Ph-WP-03:2024	P/S

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Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Superficial Rockwell 81 HR30N	0.7 HR15N	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Superficial Rockwell 38 HR45N	0.7 HR30N	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Superficial Rockwell 71 HR45N	0.7 HR30N	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Superficial Rockwell 61 HR15TW	0.7 HR15TW	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Superficial Rockwell 89 HR15TW	0.7 HR15TW	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Superficial Rockwell 38 HR30TW	0.7 HR15TW	QTS/Ph-WP-03:2024	P/S

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Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Superficial Rockwell 78 HR30TW	0.7 HR15TW	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Superficial Rockwell 25 HR45TW	0.7 HR30TW	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Rockwell, Vikers)	Superficial Rockwell 67 HR45TW	0.7 HR30TW	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Brinell)	Brinell-500 76 HBW	0.8 HBW	QTS/Ph-WP-16:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Brinell)	Brinell-500 111 HBW	0.6 HBW	QTS/Ph-WP-16:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Brinell)	Brinell-500 140 HBW	0.7 HBW	QTS/Ph-WP-16:2024	P/S

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Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Brinell)	Brinell-3000 201 HBW	0.8 HBW	QTS/Ph-WP-16:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Brinell)	Brinell-3000 368 HBW	0.6 HBW	QTS/Ph-WP-16:2024	P/S
Measurement of force, weight and pressure	Hardness Testing Machines and Metal Hardness – Indirect Verification (Brinell)	Brinell-3000 517 HBW	0.7 HBW	QTS/Ph-WP-16:2024	P/S
Measurement of force, weight and pressure	Durometer – Shore A, Rubber hardness	(0 to 100) HA	0.6 HA	QTS/Ph-WP-03:2024	P/S
Measurement of force, weight and pressure	Durometer – Shore D, Rubber hardness	(0 to 100) HD	0.6 HD	QTS/Ph-WP-03:2024	P/S
Measurement of time, velocity, acceleration, angular velocity	Vibration Meter and Vibration Measurement; Acceleration (a); 16Hz to 1.3 kHz	(1 to 20) m/s ²	0.012	QTS/Ph-WP-06:2021	P/S
Measurement of time, velocity, acceleration, angular velocity	Vibration Meter and Vibration Measurement; Velocity (v)	(0 to 20) m/s	0.012	QTS/Ph-WP-06:2021	P/S

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Measurement of time, velocity, acceleration, angular velocity	Vibration Meter and Vibration Measurement; Displacement (d)	(0.01 to 1) mm	0.012	QTS/Ph-WP-06:2021	P/S
Measurement of volume, mass, density, viscosity	Micropipette /Pipette (piston operated and digital)	(>10 to 100) µl	0.6 µl	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Micropipette /Pipette (piston operated and digital)	(>100 to 200) µl	1.2 µl	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Micropipette /Pipette (piston operated and digital)	(200 to 500) µl	1.2 µl	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Micropipette /Pipette (piston operated and digital)	(0.5 to 1) ml	2.9 µl	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Micropipette /Pipette (piston operated and digital)	(1 to 10) ml	11.8 µl	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Burette	10 ml	0.06 ml	QTS/Ph-WP-04:2024	P

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Measurement of volume, mass, density, viscosity	Burette	25 ml	0.06 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Burette	50 ml	0.08 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Burette	100 ml	0.13 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Beaker and Graduated Cylinder	10 ml	0.06 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Beaker and Graduated Cylinder	20 ml	0.16 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Beaker and Graduated Cylinder	50 ml	0.3 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Beaker and Graduated Cylinder	100 ml	0.6 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Beaker and Graduated Cylinder	200 ml	0.6 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Beaker and Graduated Cylinder	500 ml	0.8 ml	QTS/Ph-WP-04:2024	P

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Measurement of volume, mass, density, viscosity	Beaker and Graduated Cylinder	1 L	1.5 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Beaker and Graduated Cylinder	2 L	3.0 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Single-Mark Flask	10 ml	0.06 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Single-Mark Flask	20 ml	0.06 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Single-Mark Flask	50 ml	0.07 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Single-Mark Flask	100 ml	0.11 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Single-Mark Flask	200 ml	0.19 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Single-Mark Flask	500 ml	0.46 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Single-Mark Flask	1 L	0.9 ml	QTS/Ph-WP-04:2024	P

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Measurement of volume, mass, density, viscosity	Single-Mark Flask	10 L	9 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Single-Mark Flask	30 L	27 ml	QTS/Ph-WP-04:2024	P
Measurement of volume, mass, density, viscosity	Single-Mark Flask	50 L	33 ml	QTS/Ph-WP-04:2024	P
Measurement of time, velocity, acceleration, angular velocity	Dynamic Penetrometer - (SPT Hammer Energy Verification)	473 J	0.045	QTS/Ph-WP-15:2022	S
Measurement of force, weight and pressure	Concrete Test Hammer - Schmidt Original - Silver Schmidt	Original Schmidt N = 81 R / L = 75 R Silver Schmidt UN=76.5 Q/UL=78.0 Q	0.015	QTS/Ph-WP-14:2022	P/S
Measurement of force, weight and pressure	Manual Air Content Meter - (0.5 to 8) L capacity	(0 to 30)%	0.006	QTS/Ph-WP-17:2024	P
Measurement of force, weight and pressure	Liquid Dispensers / Flow Totalizers	10 L	0.003 L	QTS/Ph-WP-18:2024	P/S
Measurement of force, weight and pressure	Liquid Dispensers / Flow Totalizers	20 L	0.007 L	QTS/Ph-WP-18:2024	P/S

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Measurement of force, weight and pressure	Liquid Dispensers / Flow Totalizers	50 L	0.012 L	QTS/Ph-WP-18:2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Gauss Meter	(0 to 200) mT	1.2 mT	QTS/En-WP-05:2024	P/S
Measurement of force, weight and pressure	Gauss Meter	(>200 to 2000 mT)	3 mT	QTS/En-WP-05:2024	P/S
Thermodynamics and temperature measurements	Temperature Mapping -(16 points)	(5 to 50) °C	0.3 °C	QTS/T-WP-08:2024	S
Thermodynamics and temperature measurements	Temperature Mapping -(16 points)	(>50 to 1000) °C	2.3 °C	QTS/T-WP-08:2024	S
Thermodynamics and temperature measurements	Humidity Mapping - (16 points)	(5 to 95) %RH	3.6 %RH	QTS/T-WP-08:2024	S
Linear and angular measurements	Glass Scale	(0.01 to 100) mm	0.003 mm	QTS/D-WP-44:2024	P
Linear and angular measurements	Tri Square Flatness	Up to 1000 mm	0.002 mm	QTS/D-WP-45:2024	P
Linear and angular measurements	Tri Square Squareness	Up to 1000 mm	0.002 mm	QTS/D-WP-45:2024	P
Linear and angular measurements	Tri Square Parallelism	Up to 1000 mm	0.002 mm	QTS/D-WP-45:2024	P

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Measurement of volume, mass, density, viscosity	Air Flow Volume	(0 to 20) slpm	0.015	QTS/En-WP-06:2024	P
Measurement of volume, mass, density, viscosity	Air Flow Volume	(>20 to 300) slpm	0.015	QTS/En-WP-06:2024	P
Measurement of force, weight and pressure	Wire Stressing Machine and similar	(20 to 200) kN	0.006	QTS/F-WP-08:2024	S
Measurement of volume, mass, density, viscosity	Gas Detectors	100 ppm CO	1.4 ppm	QTS/En-WP-07:2024	P/S
Measurement of volume, mass, density, viscosity	Gas Detectors	2.5 % Methane (50% LEL)	3% LEL	QTS/En-WP-07:2024	P/S
Measurement of volume, mass, density, viscosity	Gas Detectors	25 ppm H2S	1.5 ppm	QTS/En-WP-07:2024	P/S
Measurement of volume, mass, density, viscosity	Gas Detectors	18 % O2	0.8% O2	QTS/En-WP-07:2024	P/S
Linear and angular measurements	Deflection Ball, or similar	(50 to 100) mm	0.04 mm	QTS/D-WP-46:2024	P
Linear and angular measurements	Deflection Ball, or similar	(>100 to 500) mm	0.09 mm	QTS/D-WP-46:2024	P
Measurement of force, weight and pressure	Hardness Testing Machine Force (Direct Verification)	Up to 3000 kg	0.0025	QTS/Ph-WP-03:2024	S

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Linear and angular measurements	Hardness Testing Machine Force Indentor geometry (Direct Verification)	Up to 30 mm	0.009 mm	QTS/Ph-WP-03:2024	P
Linear and angular measurements	Hardness Testing Machine Force Indentor geometry (Direct Verification)	Up to 60°	0.3°	QTS/Ph-WP-03:2024	P
Measurement of force, weight and pressure	Durometer Spring Force (Direct Verification)	Up to 500 grams	0.06 grams	QTS/Ph-WP-03:2024	P
Linear and angular measurements	Durometer – Indentor Geometry (Direct Verification)	(0.01 to 5) mm	0.009 mm	QTS/Ph-WP-03:2024	P
Linear and angular measurements	Durometer – Indentor Geometry (Direct Verification)	Up to 60°	0.3°	QTS/Ph-WP-03:2024	P
Linear and angular measurements	Rebar Detector – Rebar Size	(6 to 50) mm	2 mm	QTS/D-WP-47:2024	P
Linear and angular measurements	Rebar Detector – Rebar Depth	(5 to 150) mm	3 mm	QTS/D-WP-47:2024	P
Measurement of volume, mass, density, viscosity	Refractometer	5 ° Brix @ 20°C	0.02 Brix	QTS/En-WP-08:2024	P/S
Measurement of volume, mass, density, viscosity	Refractometer	15 ° Brix @ 20°C	0.02 Brix	QTS/En-WP-08:2024	P/S

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Measurement of volume, mass, density, viscosity	Refractometer	40 ° Brix @ 20°C	0.02 Brix	QTS/En-WP-08:2024	P/S
Measurement of volume, mass, density, viscosity	Turbidity Meter	100 NTU @ 25°C	4 NTU	QTS/En-WP-09:2024	P/S
Measurement of volume, mass, density, viscosity	Turbidity Meter	1000 NTU @ 25°C	15 NTU	QTS/En-WP-09:2024	P/S
Measurement of volume, mass, density, viscosity	Salinity Meter	35 PSU	0.02	QTS/En-WP-10:2024	P/S
Thermodynamics and temperature measurements	Black Body Calibrator	(-20 to 200) °C	3.8 °C	QTS/T-WP-09:2024	P/S
Thermodynamics and temperature measurements	Black Body Calibrator	(>200 to 300) °C	4.0 °C	QTS/T-WP-09:2024	P/S
Thermodynamics and temperature measurements	Black Body Calibrator	(>300 to 600) °C	5.2 °C	QTS/T-WP-09:2024	P/S
Thermodynamics and temperature measurements	Black Body Calibrator	(>600 to 1000) °C	6.2 °C	QTS/T-WP-09:2024	P/S
Thermodynamics and temperature measurements	Black Body Calibrator	(>1000 to 1500) °C	7.6 °C	QTS/T-WP-09:2024	P/S

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Linear and angular measurements	Gauge Block Set (Grade 1)	(0.5 to 100) mm	Grade 1	QTS/D-WP-08:2024	P
Measurement of force, weight and pressure	Flowmeter (using Ultrasonic Flowmeter)	0 to 150 m ³ /hr	0.02	QTS/Ph-WP-19:2024	S
Measurement of force, weight and pressure	Torque Tools (Pneumatic/Electric)	(1400 to 14000) N.m	0.03	QTS/F-WP-05:2024	P/S
Measurement of force, weight and pressure	Torque Tools (hydraulic)	(3500 to 35000) N.m	0.02	QTS/F-WP-05:2024	P/S
Linear and angular measurements	Universal Length Machine	(0 to 3000) mm	(0.3 + 0.2L) μm; L in m	QTS/D-WP-49:2024	S
Linear and angular measurements	Tape/Scale Calibrator	(0 to 3000) mm	(0.3 + 0.2L) μm; L in m	QTS/D-WP-50:2024	S
Linear and angular measurements	CMM Length	(0 to 3000) mm; X, Y and Z	(0.3 + 0.2L) μm; L in m	QTS/D-WP-51:2024	S
Linear and angular measurements	CMM Volume	25 mm	0.0004 mm	QTS/D-WP-51:2024	S
Electricity. Magnetism. Electrical and magnetic measurements	Inductance Meter	(1 to 1000) μH	0.04	QTS/E-WP-11:2024	P/S
Electricity. Magnetism. Electrical and magnetic measurements	Inductance Meter	(1 to 1000) mH	0.04	QTS/E-WP-11:2024	P/S

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Electricity. Magnetism. Electrical and magnetic measurements	Inductance Meter	(1 to 10) H	0.05	QTS/E-WP- 11:2024	P/S
END					

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