Republic of Bulgaria
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 248

Sofia, 25.06.2024

Pursuant to Art. 10, para. 1, item 3, Art 30 para. 1 of the Law on National Accreditation of Conformity Assessment Bodies and item 7 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 27/5 ЛК/РО/26.05.2023, report reg. № 27/5 ЛК/РО/22/В/27.05.2024 and statement of the Accreditation Commission reg. № 27/5 ЛК/РО/23/В/14.06.2024, I hereby

EXTEND THE SCOPE OF ACCREDITATION

MULTITEST LTD.
CALIBRATION LABORATORY

Management and Laboratory address:
9009 Varna, Mladost, Western Industrial Zone, 1 Atanas Dalchev Str, p.o. box 161

To perform calibrating of:

Type of the scope: *flexible for part of the scope*

№	Measuring instrument	Measured value unit of measure	Measurement Range	Uncertainly of measurement	Calibration method
1	2	3	4	5	6
1.	PRESSURE				
1.1	Diaphragm and diaphragm box pressure gauges **	Negative pressure p, Pa	from - 100 kPa to - 4,7 kPa	$9{,}9 \cdot 10^{-4}p$	WQP CP-01/01.02.2019
		Negative and positive pressure p, Pa	from - 4,7 kPa to 4,7 kPa	$1{,}1 \cdot 10^{-3}p$	
		Positive pressure p, Pa	from 4,7 kPa to 2500 kPa	$3{,}5 \cdot 10^{-4}p$	
1.2	Electromechanical manometers and mechanical pressure gauges (pressure transducers; pressure transmitters, digital or analogue indicating pressure gauges, mechanical Bourdon tube pressure gauges)**	Absolute pressure p,	from 1 Pa to 120 kPa	$1{,}6 \cdot 10^{-4}p$	WQP CP-02/14.08.2021 based on EURAMET cg-17
		Pa	from - 100 kPa to - 4,7 kPa	$9{,}9 \cdot 10^{-4}p$	
		Negative pressure p, Pa	from - 4,7 kPa to 4,7 kPa	$1 \cdot 10^{-3}p$	
		Negative and positive pressure p,Pa	from 4,7 kPa to 4000 kPa from 4 MPa to 25 MPa from 25 MPa to 50 MPa from 50 MPa to 500 MPa	$3{,}4 \cdot 10^{-4}p$ $3{,}8 \cdot 10^{-4}p$ $3{,}9 \cdot 10^{-4}p$ $2{,}1 \cdot 10^{-3}p$	

Sofia 1797, G.M. Dimitrov Blvd., No.52 A, floor 7
Tel.: +359 2 9766 401; Fax.: +359 2 9766 415
e-mail: office@nab-bas.bg

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№	**Measuring instrument**	**Measured value unit of measure**	**Measurement Range**	**Uncertainly of measurement**	**Calibration method**
1	**2**	**3**	**4**	**5**	**6**
1.3	Pressure balances	Positive pressure p, Pa	from 4,7 kPa to 172 kPa from 172 kPa to 689 kPa from 689 kPa to 3500 kPa from 3500 kPa to 7000 kP from 0,05 MPa to 5 MPa from 5 MPa to 100 MPa from 100 MPa to 500 MPa	$7{,}1 \cdot 10^{-4}p$ $1{,}7 \cdot 10^{-4}p$ $5{,}7 \cdot 10^{-4}p$ $5{,}8 \cdot 10^{-4}p$ $2{,}6 \cdot 10^{-3}p$ $3{,}8 \cdot 10^{-4}p$ $1{,}9 \cdot 10^{-3}p$	WQP CP-03/ 01.02.2019 based on EURAMET cg-3
2.	TEMPERATURE AND ELECTRICAL VALUES				
2.1	Direct reading thermometers (with resistance sensor element), resistance thermometers.**	Temperature, °C	from -100 °C to -45°C from -45°C to 100 °C from 100 °C to 180 °C from 180 °C to 850 °C	from 0,20 °C to 0,05 °C from 0,05 °C to 0,10 °C from 0,10 °C to 0,20 °C from 0,20 °C to 1,5 °C	WQP CT-01/ 14.08.2021 WQP CT-02/ 14.08.2021 based on EURAMET cg-11
2.2	Direct reading thermometers (thermocouple sensor element), thermocouples.**	Temperature, °C	from -100 °C to -45 °C from -45 °C to 155 °C from 155 °C to 425 °C from 425 °C to 700 °C from 700 °C to 1300 °C	from 1,1 °C to 1,0 °C from 1,0 °C to 1,2 °C from 1,2 °C to 1,5 °C from 1,5 °C to 2,0 °C from 2,0 °C to 2,3 °C	WQP CT-03/ 14.08.2021 based on EURAMETcg-8
2.3	Indicators and simulators for resistance thermometers	Temperature, °C	from -100 °C to -45 °C from -45 °C to 850 °C from 0 Ω to 100 kΩ	0,06 °C 0,05 °C 0,02 Ω	WQP CT-02 / 14.08.2021 based on EURAMETcg-11
2.4	Indicators and simulators for thermocouples	Temperature, °C	from -100 °C to -45 °C from -45 °C to 1300 °C from -10 mV to 100 mV	0,15 °C 0,14 °C 4 µV	WQP CT-02/ 14.08.2021 based on EURAMETcg-11
2.5	Temperature block calibrators **	Temperature, °C	from -100 °C to -45 °C from -45 °C to 660 °C from 660 °C to 1200 °C	from 0,35 °C to 0,25 °C from 0,25 °C to 1,5 °C from 1,5 °C to 1,7 °C	WQP CT-04/ 14.08.2021 based on EURAMETcg-13
2.6	Liquid thermometers	Temperature, °C	from - 80 °C to -45 °C from - 45 °C to 350 °C	from 0,06 °C to 0,05 °C from 0,05 °C to 0,08 °C	WQP CT-05/ 14.08.2021 based on OIMLR 133 WQP CT-06/ 14.08.2021 based on PTB RUFREGAL BAND2
2.7	Resistance thermometer with connected transmitter	Temperature, °C	from - 100 °C to -45 °C from - 45 °C to 100 °C from 100 °C to 180 °C from 180 °C to 850 °C	from 0,17 °C to 0,05 °C from 0,05 °C to 0,10 °C from 0,10 °C to 0,20 °C from 0,20 °C to 1,5 °C	WQP CT-01/ 14.08.2021
2.8	Thermocouples with connected transmitter	Temperature, °C	from -100 °C to -45 °C from -45 °C to 155 °C from 155 °C to 425 °C from 425 °C to 1300 °C	from 1,1 °C to 1,0 °C from 1,0 °C to 1,2 °C from 1,2 °C to 1,5 °C from 1,5 °C to 2,0 °C	WQP CT-03/ 14.08.2021 based on EURAMET cg-8
2.9	Direct reading mechanical thermometers	Temperature, °C	from -100 °C to -45 °C from -45 °C to 700 °C	from 0,12 °C to 0,09 °C from 0,09 °C to 0,20 °C	WQP CT-02/ 14.08.2021 based on EURAMET cg-11
2.10	Temperature recorders (recording with external temperature sensor)	Temperature, °C	from -100 °C to -45 °C from -45 °C to 180 °C from 180 °C to 750 °C	from 0,12 °C to 0,10 °C from 0,10 °C to 0,25 °C from 0,25 °C to 1,5 °C	WQP CT-02/ 14.08.2021 based on EURAMET cg-11
3.	TEMPERATURE AND RELATIVE HUMIDITY				
3.1	Thermohygrometers **	Temperature, °C Relative humidity, %rh	from 10 °C to 90 °C from 10 %rh to 50 %rh from 50 %rh to 95 %rh	from 0,3 °C to 0,5 °C from 0,8 %rh to 1,1 %rh from 1,1 %rh to 1,6 %rh	WQP CT-07/ 20.03.2023
3.2	Relative humidity and / or temperature sensors **	Temperature, °C Relative humidity, %rh	from 10 °C to 90 °C from 10 %rh to 50 %rh	from 0,3 °C to 0,5 °C from 0,8 %rh to 1,1 %rh	WQP CT-07/ 20.03.2023

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1	**2**	**3**	**4**	**5**	**6**
			from 50 %rh to 95 %rh	from 1,1 %rh to 1,6 %rh	
3.3	Relative humidity and / or temperature devices (calibrators)**	Temperature, °C Relative humidity, %rh	from -45 °C to 170 °C from 10 %rh to 50 %rh from 50 %rh to 95 %rh	from 0,3 °C to 0,5 °C from 0,8 %rh to 1,1 %rh from 1,1 %rh to 1,6 %rh	WQP CT-08/ 20.03.2023
3.4	Climate chambers (including related indicators, controllers and recorders, all with sensors with specified parameters and ranges)**	Temperature, °C Relative humidity, %rh	from -80 °C to 200 °C from 10 %rh to 50 %rh from 50 %rh to 95 %rh	from 0,3 °C to 0,8 °C from 1,0 %rh to 1,5 %rh from 1,5 %rh to 1,8 %rh	WQP CT-08/ 20.03.2023
4.	TRANSFORMATION COEFFICIENT				
4.1	Digital multifunction measuring devices	Voltage transition factor, mV/V	from – 2 mV/V to +2 mV/V	from 0,000032 mV/V to 0,000036 mV/V	WQP CE-01*
5.	FORCE				
5.1	Material testing machines **	force, N	from 0,02 N to 100 kN from 100 kN to 2000 kN	0,06 % 0,12 %	WQP CF-01-1* based on БДС EN ISO 7500-1 БДС EN ISO 7500-2 БДС EN 12390-4 Annex A ASTM E4
5.2	Force transducers (dynamometers)	force, N	from 0,01 kN to 100 kN from 100 kN to 2000 kN	0,01 % 0,02 %	WQP CF-02-1* based on БДС EN ISO 376, ASTM E74
6.	ENERGY				
6.1	Pendulum impact testing machines **	Energy, J	from 0,5 J to 450 J	0,85 % (Force: 0,06% Pendulum length: 0,1 mm Angle: 0,04 ° Time: 0,02 s)	WQP CIT-01-1* based on БДС EN ISO 148-2 ASTM E23 БДС EN ISO 13802 BS 131-4
7.	TORQUE				
7.1	Torque transducers	Torque, N·m	from 2 N·m to 1000 N·m from 1000 N·m to 3000 N·m from 3000 N·m to 5000 N·m	0,02 % 0,04 % 0,05 %	WQP CTQ-03* based on DIN 51309 WQP CTQ-04* based on EURAMETcg-14
7.2	Torque tools - torque wrenches, -screwdrivers, - transfer torque wrenches, - torque calibrators **	Torque, N·m	from 2 N·m to 2000 N·m from 2000 N·m to 5000 N·m	0,2 % 0,5 %	WQP CTQ-01/ 14.08.2021 WQP CTQ-02/ 14.08.2021 WQP CTQ-05* based on БДС EN ISO 6789-1 БДС EN ISO 6789-2
8.	LENGTH				
8.1	Length Measures: - gauge blocks (gages and end	Length, *L* mm	from 0,5 mm to 100 mm from 100 mm to 500 mm from 500 mm to 1000 mm	0,10 µm + $0,5.10^{-6}L$ 1,2 µm + $0,5.10^{-6}L$ 1,8 µm + $0,5.10^{-6}L$	WQP CGP-01/ 01.02.2019 WQP CGP-01-1/ 20.03.2023

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	block to EN ISO 3650)		from 1000 mm to 1500 mm	2,4 µm+ 0,5.$10^{-6}L$	БДС EN ISO 3650
	- cylindrical gauges (smooth and threaded)	Diameter, *D* mm	from 0,17 mm to 3,2 mm from 0,5 mm to 100 mm from 100 mm to 300 mm from 300 mm to 500 mm from 500 mm to 1500 mm	1,01 µm + 0,5.$10^{-6}D$ 1,07 µm + 5.$10^{-6}D$ 1,3 µm + 5.$10^{-6}D$ 9 µm + 10.$10^{-6}D$ 12 µm + 10.$10^{-6}D$	WQP CGP-01-2/ 14.08.2021 based on EURAMETcg-6
8.2	Callipres, universal callipers, depth callipers and high callipers **: - with vernier scale interval - with dial indicator	Length, *L* mm	Външен размер и дълбочина: from 0 mm to 100 mm from 100 mm to 600 mm from 600 mm to 1000 mm from 1000 mm to 2000 mm Вътрешен размер: from 0 mm to 600 mm from 600 mm to 1000 mm from 1000 mm to 2000 mm	 30 µm + 30 . $10^{-6}L$ 30 µm + 30 . $10^{-6}L$ 60 µm + 30 . $10^{-6}L$ 90 µm + 30 . $10^{-6}L$ 40 µm + 10 . $10^{-6}L$ 60 µm + 10 . $10^{-6}L$ 100 µm + 10 . $10^{-6}L$	WQP CGP-03/ 14.08.2021 based on VDE/VDI/DGQ 2618, p.9.1; p.9.2; p.9.3
	- with digital displayй		from 0 mm to 100 mm from 100 mm to 600 mm from 600 mm to 1000 mm from 1000 mm to 2000 mm Вътрешен размер: from 0 mm to 600 mm from 600 mm to 1000 mm from 1000 mm to 2000 mm	10 µm + 30 . $10^{-6}L$ 10 µm + 30 . $10^{-6}L$ 20 µm + 30 . $10^{-6}L$ 80 µm + 30 . $10^{-6}L$ 20 µm + 10 . $10^{-6}L$ 30 µm + 10 . $10^{-6}L$ 80 µm + 10 . $10^{-6}L$	
8.3	Micrometers** - analogue	Length, *L* mm	from 0 mm to 100 mm from 100 mm to 250 mm from 250 mm to 600 mm from 600 mm to 1000 mm from 1000 mm to 2000 mm	3 µm + 10 . $10^{-6}L$ 3 µm + 10 . $10^{-6}L$ 4 µm + 10 . $10^{-6}L$ 5 µm + 10 . $10^{-6}L$ 8 µm + 10 . $10^{-6}L$	WQP CGP-04-1/ 14.08.2021 based on VDE/VDI/DGQ 2618, p.10.1,p.10.7 WQP CGP-04-2/ 14.08.2021 based on VDE/VDI/DGQ 2618, p.10.3
	- digital		from 0 mm to 100 mm from 100 mm to 300 mm from 300 mm to 600 mm from 600 mm to 1000 mm from 1000 mm to 2000 mm	2 µm + 10 . $10^{-6}L$ 3 µm + 10 . $10^{-6}L$ 4 µm + 10 . $10^{-6}L$ 5 µm + 10 . $10^{-6}L$ 8 µm + 10 . $10^{-6}L$	
8.4	Length indicators **: - division value 0,001 mm	Length, *L* mm	from 0 mm to 1 mm from 1 mm to 500 mm	4 µm + 10 . $10^{-6}L$ 5 µm + 10 . $10^{-6}L$	WQP CGP-05/ 14.08.2021 based on VDE/VDI/DGQ 2618, p.11.1,

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	- division value 0,01 mm		from 0 mm to 100 mm from 100 mm to 500 mm	6 µm + 10 . $10^{-6}L$ 8 µm + 10 . $10^{-6}L$	p.11.2, p.11.3, p.12.1
	- thickness meters division value 0,001 mm		from 0 mm to 10 mm from 10 mm to 500 mm	4 µm + 10 . $10^{-6}L$ 5 µm + 10 . $10^{-6}L$	
	- thickness meters division value 0,01 mm		from 0 mm to 50 mm from 50 mm to 500 mm	7 µm + 10 . $10^{-6}L$ 9 µm + 10 . $10^{-6}L$	
	- bore gauges division value 0,001 mm		from 0 mm to 1500 mm from 1500 mm to 4000 mm	6 µm + 10 . $10^{-6}L$ 10 µm + 10 . $10^{-6}L$	WQP CGP-05-01/ 14.08.2021 based on VDE/VDI/DGQ 2618, p.13.1, p.13.2
	- bore gauges division value 0,01 mm		from 0 mm to 500 mm from 500 mm to 4000 mm	10 µm + 10 . $10^{-6}L$ 12 µm + 10 . $10^{-6}L$	
	- thickness meters (ultrasonic,electromagnetic and eddy current thickness meters)		from 0 mm to 100 mm	1,3 µm + 10 . 10^{-6}L	WQP CGP-05-02/ 18.10.2021 based on БДС EN 15317
8.5	Gauge block comparators **	Length, *L* mm	from 0,5 mm to 100 mm	0,03 µm + 0,002*L*	WQP CGP-06/ 01.02.2019 based on EURAMETcg-2
8.6	Extensometers for testing machines**	Length, *L* mm	from 0 mm to 1000 mm	(3,5 . $10^{-3}L$) mm	WQP CGP-02-1/ 14.08.2021 based on БДС EN ISO 9513 ASTM E83
8.7	Graduated length measures - measuring rulers	Length, *L* mm	from 0 mm to 4000 mm	0,4 mm	WQP CGP-07/ 20.03.2023
	- measuring tapes with winding device (tape rulers)		from 0 mm to 10 000 mm from 10 000 mm to 50000 mm from 50 000 mm to 100 000 mm	0,6 mm 0,8 mm 1,1 mm	
8.8	Measuring microscopes and profile projectors **	Length, mm Angular degrees, °	from 0 mm to 100 mm to 360°	4 µm + 10.$10^{-6}L$ 10″	WQP CGP-08-1/ 14.08.2021
8.9	Laboratory sieves	Length, mm	from 0 mm to 125 mm	3 µm + 10.$10^{-6}L$	WQP CGP-09* based on БДС ISO 3310-1 БДС ISO 3310-2 БДС ISO 3310-3
8.10	Measuring flat surfaces and plates (granite, steel and cast iron)**	Linearity and flatness deviations	from 160 x 100 to 6 000 x 4 000	1,5 µm +(0,80 x диагонал в m)	WQP CGP-12/ 20.03.2023 BS 817
8.11	Object-micrometers	Length, mm	from 0 mm to 50 mm	0,8 µm + 10.10^{-6}L	WQP CGP-07/ 20.03.2023
9	ROUGHNESS				
9.1	Roughness measuring devices **	Roughness, Ra	from 0,1 µm to 10 µm	from 0,015 µm to 0,95 µm	WQP CGP-10/ 02.02.2022
9.2	Roughness standards**	Roughness, Ra	from 0,1 µm to 10 µm	from 0,020 µm to 0,97 µm	WQP CGP-11/02.02.2022

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1	**2**	**3**	**4**	**5**	**6**
10	ANGLE				
10.1	Angle blocks	Angles, Angular degrees, °	to 90°	6″	WQP CGP-08-3/ 04.02.2022
10.2	Master squares	Length, mm (perpendicularity and parallelism deviations)	90°	2,5 µm	WQP CGP-08-4/ 04.02.2022
10.3	Protractors **	Angles, Angular degrees, °	0° to 360°	10″	WQP CGP-08-5/ 04.02.2022
10.4	Inclinometers **	Angles, Angular degrees, °	18′(5 mm/m)	5″	WQP CGP-08-2/ 14.08.2021
11	HARDNESS				
11.1	Hardness testing machines (hardness meters) **	Hardness to Vickers, HV,	from 20 HV to 3000 HV (from HV 0,01 to HV 30)	1,5%	WQP CH-01* based on БДС EN ISO 6507-2 БДС EN ISO 14577-2 ASTM E92
		Rockwell, HR	from 10 HRC to 80 HRC	0,45 HRC to 1 HRC	WQP CH-01* based on БДС EN ISO 6508-2 БДС EN ISO 14577-2 ASTM E18
		Brinell, HBW	from 20 HBW to 300 HBW from 300 HBW to 500 HBW from 500 HBW to 650 HBW	from 2,2 % to 3,0 % from 1,5 % to 2,0 % from 1,2 % to 1,8 %	WQP CH-01* based on БДС EN ISO 6506-2 БДС EN ISO 14577-2 ASTM E10
		Force, N	from 10 N to 30 kN	0,06 %	
		Lenght, L mm	from 0,01 mm to 10 mm	(0,4+1,0 . 10^{-6}L) µm	
		Shore A, Shore D	from 0 ShA to 110 ShA from 0 ShD to 110 ShD	0,3 Shore	WQP CH-01* based on БДС EN ISO 868
11.2	Hardness reference blocks	Твърдост по Vickers, HV	from 20 HV to 3000 HV (from HV 0,01 to HV 30)	1,5%	WQP CH-02* based on БДС EN ISO 6507-3 ASTM E92
		Rockwell, HR	from 10 HRC to 80 HRC	0,5 % HRC	WQP CH-02* based on БДС EN ISO 6508-3 ASTM E18
		Brinell, HBW	from 20 HBW to 650 HBW	from 2,2 % to 3,0 %	WQP CH-01* based on БДС EN ISO 6506-3 ASTM E10
		Shore A Shore D	from 0 ShA to 110 ShA from 0 ShD to 110 ShD	1,1 % (not less than 1,5 U_{CRM})	WQP CH-02* based on БДС EN ISO 868
12.	ELECTRICAL QUANTITIES				
12.1	Measuring devices for electrical quantity: voltage meters, current meters, resistance meters, capacitance meters, inductance meters, frequency meters,	12.1.1 Direct voltage, U_{DC}, [V]	from 0 mV to 330 mV from 330 mV to 1000 mV from 1,0 V to 3,3 V from 3,3 V to 33 V from 33 V to 330 V from 330 V to 1020 V from 1,0 kV to 10,0 kV	from $4{,}8.10^{-4}$ mV to $1{,}4.10^{-3}$ mV from $1{,}4.10^{-3}$ mV to $3{,}2.10^{-3}$ mV from $3{,}2.10^{-6}$ V to $2{,}9.10^{-4}$ V from $2{,}9.10^{-4}$ V to $3{,}0.10^{-4}$ V from $3{,}0.10^{-4}$ V to $1{,}4.10^{-3}$ V from $1{,}4.10^{-3}$ V to $3{,}5.10^{-3}$ V from $2{,}5.10^{-4}$ kV to $1{,}5.10^{-3}$ kV	WQP CE-02*

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	multimeters, high voltage meters.**		from 10,0 kV to 40,0 kV from 40,0 kV to 100,0 kV	from 1,5.10^{-3} kV to 6,2.10^{-3} kV from 6,2.10^{-3} kV to 4,8.10^{-2} kV	
		12.1.2 Alternating voltage, U_{AC}, [V]	Frequency from 10 Hz to 45 Hz from 1 mV to 33 mV from 33 mV to 330 mV from 330 mV to 1000 mV from 1,0 V to 3,3 V from 3,3 V to 33 V from 1 mV to 33 mV from 33 mV to 330 mV from 330 mV to 1000 mV from 1,0 V to 3,3 V from 3,3 V to 33 V	from 10 Hz from 5,1.10^{-3} mV to 2,8.10^{-3} mV from 2,8.10^{-3} mV to 1,3.10^{-2} mV from 1,3.10^{-2} mV to 3,5.10^{-2} mV from 3,5.10^{-5} V to 3,1.10^{-4} V from 3,1.10^{-4} V to 1,2.10^{-3} V to 45 Hz from 8,1.10^{-4} mV to 2,3.10^{-3} mV from 2,3.10^{-3} mV to 8,6.10^{-3} mV from 8,6.10^{-3} mV to 2,5.10^{-2} mV from 2,5.10^{-5} V to 3,0.10^{-4} V from 3,0.10^{-4} V to 7,6.10^{-4} V	
			Frequency 50 Hz from 1,0 kV to 10,0 kV from 10,0 kV to 40,0 kV from 40,0 kV to 100,0 kV	 from 6,4.10^{-4} kV to 1,8.10^{-3} kV from 1,8.10^{-3} kV to 1,4.10^{-2} kV from 1,4.10^{-2} kV to 3,4.10^{-2} kV	
			Frequency from 45 Hz to 1 kHz from 1 mV to 33 V from 33 V to 330 V from 330 V to 1020 V from 1 mV to 33 V from 33 V to 330 V from 330 V to 1020 V	 from 45 Hz from 8,1.10^{-4} mV to 7,6.10^{-4} V from 7,6.10^{-4} V to 9,7.10^{-3} V from 9,7.10^{-3} V to 3,3.10^{-2} V to 1 kHz from 8,1.10^{-4} mV to 6,4.10^{-4} V from 6,4.10^{-4} V to 8,0.10^{-3} V from 8,0.10^{-3} V to 3,2.10^{-2} V	
			Frequency from 1 kHz to 5 kHz from 15 mV to 1020 V from 15 mV to 1020 V	 from 1 kHz from 1,4.10^{-3} mV to 3,2.10^{-2} V to 5 kHz from 1,7.10^{-3} mV to 3,7.10^{-2} V	
			Frequency from 5 kHz to 10 kHz from 1 mV to 33 mV from 33 mV to 330 mV from 330 mV to 1000 mV from 1,0 V to 3,3 V from 3,3 V to 33 V from 33 V to 330 V from 1 mV to 33 mV from 33 mV to 330 mV from 330 mV to 1000 mV from 1,0 V to 3,3 V from 3,3 V to 33 V from 33 V to 330 V from 330 V to 1020 V	 from 5 kHz from 8,0.10^{-4} mV to 2,1.10^{-3} mV from 2,1.10^{-3} mV to 8,5.10^{-3} mV from 8,5.10^{-3} mV to 2,2.10^{-2} mV from 2,0.10^{-5} V to 2,9.10^{-4} V from 2,9.10^{-4} V to 6,4.10^{-4} V from 6,4.10^{-4} V to 8,1.10^{-3} V to 10 kHz from 7,9.10^{-4} mV to 2,1.10^{-3} mV from 2,1.10^{-3} mV to 8,5.10^{-3} mV from 8,5.10^{-3} mV to 2,0.10^{-2} mV from 2,0.10^{-5} V to 2,9.10^{-4} V from 2,9.10^{-4} V to 6,4.10^{-4} V from 6,4.10^{-4} V to 8,1.10^{-3} V from 5 kHz from 8,1.10^{-3} V to 3,7.10^{-2} V	

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1	**2**	**3**	**4**	**5**	**6**
			from 330 V to 1020 V	to 8 kHz from $8{,}1.10^{-3}$ V to $4{,}2.10^{-2}$ V	
			Frequency from 10 kHz to 20 kHz from 1 mV to 33 mV from 33 mV to 330 mV from 330 mV to 1000 mV from 1,0 V to 3,3 V from 3,3 V to 33 V from 33 V to 330 V from 1 mV to 33 mV from 33 mV to 330 mV from 330 mV to 1000 mV from 1,0 V to 3,3 V from 3,3 V to 33 V from 33 V to 330 V	from 10 kHz from $7{,}9.10^{-4}$ mV to $2{,}1.10^{-3}$ mV from $2{,}1.10^{-3}$ mV to $8{,}5.10^{-3}$ mV from $8{,}5.10^{-3}$ mV to $2{,}0.10^{-2}$ mV from $2{,}0.10^{-5}$ V to $2{,}9.10^{-4}$ V from $2{,}9.10^{-4}$ V to $6{,}4.10^{-4}$ V from $6{,}4.10^{-4}$ V to $8{,}1.10^{-3}$ V to 20 kHz from $3{,}7.10^{-3}$ mV to $2{,}3.10^{-2}$ mV from $2{,}3.10^{-2}$ mV to $8{,}6.10^{-3}$ mV from $8{,}6.10^{-3}$ mV to $2{,}0.10^{-2}$ mV from $2{,}0.10^{-5}$ V to $2{,}9.10^{-4}$ V from $2{,}9.10^{-4}$ V to $8{,}3.10^{-4}$ V from $8{,}3.10^{-4}$ V to $9{,}3.10^{-3}$ V	
			Frequency from 20 kHz to 50 kHz from 1 mV to 33 mV from 33 mV to 330 mV from 330 mV to 1000 mV from 1,0 V to 3,3 V from 3,3 V to 33 V from 33 V to 330 V from 1 mV to 33 mV from 33 mV to 330 mV from 330 mV to 1000 mV from 1,0 V to 3,3 V from 3,3 V to 33 V from 33 V to 330 V	from 20 kHz from $3{,}7.10^{-3}$ mV to $2{,}3.10^{-3}$ mV from $2{,}3.10^{-3}$ mV to $8{,}6.10^{-3}$ mV from $8{,}6.10^{-3}$ mV to $2{,}0.10^{-2}$ mV from $2{,}0.10^{-5}$ V to $2{,}9.10^{-4}$ V from $2{,}9.10^{-4}$ V to $8{,}3.10^{-4}$ V from $8{,}3.10^{-4}$ V to $9{,}3.10^{-3}$ V to 50 kHz from $3{,}7.10^{-3}$ mV to $3{,}1.10^{-3}$ mV from $3{,}1.10^{-3}$ mV to $1{,}4.10^{-2}$ mV from $1{,}4.10^{-2}$ mV to $3{,}1.10^{-2}$ mV from $3{,}1.10^{-5}$ V to $3{,}0.10^{-4}$ V from $3{,}0.10^{-4}$ V to $1{,}2.10^{-3}$ V from $1{,}2.10^{-3}$ V to $2{,}2.10^{-2}$ V	
			Frequency from 50 kHz to 100 kHz from 1 mV to 33 mV from 33 mV to 330 mV from 330 mV to 1000 mV from 1,0 V to 3,3 V from 3,3 V to 33 V from 33 V to 330 V from 1 mV to 33 mV from 33 mV to 330 mV from 330 mV to 1000 mV from 1,0 V to 3,3 V from 3,3 V to 33 V from 33 V to 330 V	from 50 kHz from $3{,}4.10^{-3}$ mV to $3{,}1.10^{-3}$ mV from $3{,}1.10^{-3}$ mV to $1{,}4.10^{-2}$ mV from $1{,}4.10^{-2}$ mV to $3{,}1.10^{-2}$ mV from $3{,}1.10^{-5}$ V to $3{,}0.10^{-4}$ V from $3{,}0.10^{-4}$ V to $1{,}2.10^{-3}$ V from $1{,}2.10^{-3}$ V to $2{,}2.10^{-2}$ V to 100 kHz from $5{,}4.10^{-3}$ mV to $4{,}8.10^{-3}$ mV from $4{,}8.10^{-3}$ mV to $1{,}9.10^{-2}$ mV from $1{,}9.10^{-2}$ mV to $4{,}2.10^{-2}$ mV from $4{,}2.10^{-5}$ V to $3{,}1.10^{-4}$ V from $3{,}1.10^{-4}$ V to $1{,}6.10^{-3}$ V from $1{,}6.10^{-3}$ V to $7{,}1.10^{-2}$ V	

Type of the scope: *flexible for part of the scope*					
№	**Measuring instrument**	**Measured value unit of measure**	**Measurement Range**	**Uncertainly of measurement**	**Calibration method**
1	**2**	**3**	**4**	**5**	**6**
			Frequency from 100 kHz to 500 kHz from 1 mV to 33 mV from 33 mV to 330 mV from 330 mV to 1000 mV from 1,0 V to 3,3 V from 1 mV to 33 mV from 33 mV to 330 mV from 330 mV to 1000 mV from 1,0 V to 3,3 V	from 100 kHz from $5{,}4.10^{-3}$ mV to $4{,}8.10^{-3}$ mV from $4{,}8.10^{-3}$ mV to $1{,}9.10^{-2}$ mV from $1{,}9.10^{-2}$ mV to $4{,}2.10^{-2}$ mV from $4{,}2.10^{-5}$ V to $3{,}1.10^{-4}$ V to 500 kHz from $1{,}2.10^{-2}$ mV to $1{,}6.10^{-2}$ mV from $1{,}6.10^{-2}$ mV to $7{,}5.10^{-2}$ mV from $7{,}5.10^{-2}$ mV to $2{,}8.10^{-1}$ mV from $2{,}8.10^{-4}$ V to $9{,}9.10^{-4}$ V	
		12.1.3 Direct current, I_{DC}, [A]	from 0 µA to 330 µA from 330 µA to 3,3 mA from 3,3 mA to 33 mA from 33 mA to 330 mA from 330 mA to 1 A from 1 A to 3 A from 3 A to 20 A	from $3{,}6.10^{-4}$ µA to $4{,}1.10^{-3}$ µA from $4{,}1.10^{-3}$ µA to $2{,}9.10^{-4}$ mA from $2{,}9.10^{-4}$ mA to $4{,}2.10^{-4}$ mA from $4{,}2.10^{-4}$ mA to $4{,}0.10^{-3}$ mA from $4{,}0.10^{-3}$ mA to $2{,}9.10^{-4}$ A from $2{,}9.10^{-4}$ A to $3{,}1.10^{-4}$ A from $3{,}1.10^{-4}$ A to $3{,}2.10^{-3}$ A	
		12.1.4 Alternating current, I_{AC}, [A]	Frequency from 10 Hz to 100 Hz from 0 µA to 330 µA from 330 µA to 3,3 mA from 3,3 mA to 33 mA from 33 mA to 330 mA from 330 mA to 3 A from 0 µA to 330 µA from 330 µA to 3,3 mA from 3,3 mA to 33 mA from 33 mA to 330 mA from 330 mA to 3 A from 3 A to 20 A from 3 A to 20 A	from 10 Hz from $1{,}1.10^{-2}$ µA to $2{,}2.10^{-2}$ µA from $2{,}2.10^{-2}$ µA to $3{,}4.10^{-4}$ mA from $3{,}4.10^{-4}$ mA to $4{,}3.10^{-3}$ mA from $4{,}3.10^{-3}$ mA to $4{,}3.10^{-2}$ mA from $4{,}3.10^{-2}$ mA to $4{,}2.10^{-4}$ A to 100 Hz from $1{,}1.10^{-2}$ µA to $1{,}9.10^{-2}$ µA from $1{,}9.10^{-2}$ µA to $3{,}3.10^{-4}$ mA from $3{,}3.10^{-4}$ mA to $2{,}4.10^{-3}$ mA from $2{,}4.10^{-3}$ mA to $2{,}4.10^{-2}$ mA from $2{,}4.10^{-2}$ mA to $3{,}7.10^{-4}$ A from 45 Hz from $4{,}2.10^{-4}$ A to $2{,}6.10^{-3}$ A to 100 Hz from $3{,}7.10^{-4}$ A to $2{,}6.10^{-3}$ A	
			Frequency 50 Hz, 60 Hz, 400 Hz from 0 A to 1000 A	from $8{,}6.10^{-1}$ A to $9{,}4.10^{-1}$ A	
			Frequency from 100 Hz to 1 kHz from 0 µA to 330 µA from 330 µA to 3,3 mA from 3,3 mA to 33 mA from 33 mA to 330 mA from 330 mA to 3 A from 3 A to 20 A from 0 µA to 330 µA from 330 µA to 3,3 mA	from 100 Hz from $1{,}1.10^{-2}$ µA to $1{,}9.10^{-2}$ µA from $1{,}9.10^{-2}$ µA to $3{,}3.10^{-4}$ mA from $3{,}3.10^{-4}$ mA to $2{,}4.10^{-3}$ mA from $2{,}4.10^{-3}$ mA to $2{,}4.10^{-2}$ mA from $2{,}4.10^{-2}$ mA to $3{,}7.10^{-4}$ A from $3{,}7.10^{-4}$ A to $2{,}6. 10^{-3}$ A to 1 kHz from $1{,}5.10^{-2}$ µA to $1{,}9.10^{-2}$ µA from $1{,}9.10^{-2}$ µA to $3{,}2.10^{-4}$ mA	

Type of the scope: *flexible for part of the scope*					
№	**Measuring instrument**	**Measured value unit of measure**	**Measurement Range**	**Uncertainly of measurement**	**Calibration method**
1	**2**	**3**	**4**	**5**	**6**
			from 3,3 mA to 33 mA	from $3{,}2.10^{-4}$ mA to $2{,}2.10^{-3}$ mA	
			from 33 mA to 330 mA	from $2{,}2.10^{-3}$ mA to $2{,}2.10^{-2}$ mA	
			from 330 mA to 3 A	from $2{,}2.10^{-2}$ mA to $3{,}7.10^{-4}$ A	
			from 3 A to 20 A	from $3{,}7.10^{-4}$ A to $3{,}6.10^{-3}$ A	
			Frequency from 1 kHz to 5 kHz	from 1 kHz	
			from 0 µA to 330 µA	from $1{,}5.10^{-2}$ µA to $1{,}9.10^{-2}$ µA	
			from 330 µA to 3,3 mA	from $1{,}9.10^{-2}$ µA to $3{,}2.10^{-4}$ mA	
			from 3,3 mA to 33 mA	from $3{,}2.10^{-4}$ mA to $2{,}2.10^{-3}$ mA	
			from 33 mA to 330 mA	from $2{,}2.10^{-3}$ mA to $2{,}2.10^{-3}$ mA	
			from 330 mA to 3 A	from $2{,}2.10^{-3}$ mA to $3{,}7.10^{-4}$ A	
			from 3 A to 20 A	from $3{,}7.10^{-4}$ A to $3{,}6.10^{-3}$ A	
				to 5 kHz	
			from 0 µA to 330 µA	from $1{,}3.10^{-2}$ µA to $1{,}9.10^{-2}$ µA	
			from 330 µA to 3,3 mA	from $1{,}9.10^{-2}$ µA to $3{,}2.10^{-4}$ mA	
			from 3,3 mA to 33 mA	from $3{,}2.10^{-4}$ mA to $2{,}2.10^{-3}$ mA	
			from 33 mA to 330 mA	from $2{,}2.10^{-3}$ mA to $2{,}2.10^{-3}$ mA	
			from 330 mA to 3 A	from $2{,}2.10^{-3}$ mA to $8{,}7.10^{-4}$ A	
			from 3 A to 20 A	from $8{,}7.10^{-4}$ A to $1{,}4.10^{-2}$ A	
			Frequency from 5 kHz to 30 kHz	from 5 kHz	
			from 0 µA to 330 µA	from $1{,}3.10^{-2}$ µA to $9{,}1.10^{-2}$ µA	
			from 330 µA to 3,3 mA	from $9{,}1.10^{-2}$ µA to $3{,}2.10^{-4}$ mA	
			from 3,3 mA to 33 mA	from $3{,}2.10^{-4}$ mA to $2{,}2.10^{-3}$ mA	
			from 33 mA to 330 mA	from $2{,}2.10^{-3}$ mA to $2{,}2.10^{-2}$ mA	
				to 30 kHz	
			from 0 µA to 330 µA	from $2{,}9 \cdot 10^{-2}$ µA to $1{,}5 \cdot 10^{-1}$ µA	
			from 330 µA to 3,3 mA	from $1{,}5.10^{-1}$ µA to $8{,}3.10^{-4}$ mA	
			from 3,3 mA to 33 mA	from $8{,}3.10^{-4}$ mA to $6{,}1.10^{-4}$ mA	
			from 33 mA to 330 mA	from $6{,}1.10^{-4}$ mA to $4{,}4.10^{-2}$ mA	
				from 5 kHz	
			from 330 mA to 3 A	from $2{,}2.10^{-2}$ mA to $8{,}7.10^{-4}$ A	
				to 10 kHz	
			from 330 mA to 3 A	from $4{,}4.10^{-2}$ mA to $2{,}9.10^{-3}$ A	
		12.1.5 Capacitance, *C*, [F]	Frequency 1 kHz from 220 pF to 1 nF	from 1,6 pF to $1{,}8.10^{-3}$ nF	
			from 1 nF to 100 nF	from $1{,}8.10^{-3}$ nF to $7{,}6.10^{-2}$ nF	
			from 100 nF to 1 µF	from $7{,}6.10^{-2}$ nF to $7{,}6.10^{-1}$ nF	
			Frequency 100 Hz from 1 µF to 10 µF	from $8{,}0.10^{-4}$ µF to $8{,}1.10^{-3}$ µF	
			from 10 µF to 100 µF	from $8{,}1.10^{-3}$ µF to $1{,}6.10^{-1}$ µF	
		12.1.6 Inductance, *L*, [H]	Frequency 1 kHz from 1 mH to 10 mH	from $5{,}8.10^{-4}$ mH to $5{,}2.10^{-3}$ mH	
			from 10 mH to 100 mH	from $5{,}2.10^{-3}$ mH to $5{,}1.10^{-2}$ mH	
			from 100 mH to 1 H	from $5{,}1.10^{-2}$ mH to $5{,}8.10^{-1}$ mH	
			from 1 H to 10 H	from $5{,}8.10^{-4}$ H to $5{,}1.10^{-3}$ H	
		12.1.7	from 0 Ω to 33 Ω	from $2{,}9.10^{-4}$ Ω to $3{,}3.10^{-4}$ Ω	
			from 33 Ω to 330 Ω	from $3{,}3.10^{-4}$ Ω to $1{,}6.10^{-3}$ Ω	

Type of the scope: *flexible for part of the scope*					
№	**Measuring instrument**	**Measured value unit of measure**	**Measurement Range**	**Uncertainly of measurement**	**Calibration method**
1	**2**	**3**	**4**	**5**	**6**
		Active resistance, *R*, [Ω]	from 330 Ω to 1000 Ω from 1,0 kΩ to 3,3 kΩ from 3,3 kΩ to 33 kΩ from 33 kΩ to 330 kΩ from 330 kΩ to 1000 kΩ from 1,0 MΩ to 3,3 MΩ from 3,3 MΩ to 33 MΩ from 33 MΩ to 330 MΩ from 330 MΩ to 1000 MΩ from 1 GΩ to 10 GΩ from 10 GΩ to 100 GΩ from 100 GΩ to 1 TΩ	to $1{,}6.10^{-3}$ Ω to $5{,}1.10^{-3}$ Ω from $5{,}1.10^{-6}$ kΩ to $2{,}9.10^{-4}$ kΩ from $2{,}9.10^{-4}$ kΩ to $3{,}2.10^{-4}$ kΩ from $3{,}2.10^{-4}$ kΩ to $1{,}6.10^{-3}$ kΩ to $1{,}6.10^{-3}$ kΩ to $4{,}8.10^{-3}$ kΩ from $4{,}8.10^{-6}$ MΩ to $2{,}9.10^{-4}$ MΩ from $2{,}9.10^{-4}$ MΩ to $1{,}8.10^{-3}$ MΩ from $1{,}8.10^{-3}$ MΩ to $7{,}0.10^{-2}$ MΩ from $7{,}0.10^{-2}$ MΩ to 1,4 MΩ from $2{,}9.10^{-3}$ GΩ to $4{,}1.10^{-3}$ GΩ from $4{,}1.10^{-3}$ GΩ to $5{,}3.10^{-2}$ GΩ from $5{,}3.10^{-2}$ GΩ to $4{,}2.10^{-3}$ TΩ	
		12.1.8 Frequency, *f*, [Hz]	from 0,01 Hz to 120 Hz from 120 Hz to 1 kHz from 1 kHz to 100 kHz from 100 kHz to 1 MHz from 1 MHz to 16 MHz	from 5.10^{-7} Hz to $7{,}6.10^{-6}$ Hz from $7{,}6.10^{-6}$ Hz to $5{,}8.10^{-4}$ Hz from $5{,}8.10^{-7}$ kHz to $5{,}1.10^{-6}$ kHz from $5{,}1.10^{-6}$ kHz to $2{,}1.10^{-3}$ kHz from $2{,}1.10^{-6}$ MHz to $1{,}9.10^{-5}$ MHz	
12.2	Setting devices for electrical quantities-voltage meters, current meters, resistance meters, capacitance meters, inductance meters, frequency meters, calibrators, high voltage meters **	12.2.1 Direct voltage, U_{DC}, [V]	from 0 mV to 200 mV from 200 mV to 1000 mV from 1,0 V to 2,0 V from 2,0 V to 20 V from 20 V to 200 V from 200 V to 1000 V from 1,0 kV to 10,0 kV from 10,0 kV to 40,0 kV from 40,0 kV to 100,0 kV	from $1{,}1.10^{-4}$ mV to $5{,}3.10^{-4}$ mV from $5{,}3.10^{-4}$ mV to $2{,}3.10^{-3}$ mV from $2{,}3.10^{-6}$ V to $3{,}0.10^{-5}$ V from $3{,}0.10^{-5}$ V to $4{,}2.10^{-5}$ V from $4{,}2.10^{-5}$ V to $3{,}8.10^{-4}$ V from $3{,}8.10^{-4}$ V to $2{,}1.10^{-3}$ V from $2{,}0.10^{-4}$ kV to $2{,}0.10^{-3}$ kV from $2{,}0.10^{-3}$ kV to $6{,}2.10^{-3}$ kV from $6{,}2.10^{-3}$ kV to $1{,}7.10^{-2}$ kV	WQP CE-03*
		12.2.2 Alternating voltage, U_{AC}, [V]	Frequency 20 Hz from 2 mV to 200 mV from 200 mV to 2000 mV from 2,0 V to 20 V from 20 V to 32,9 V	 from $3{,}8.10^{-3}$ mV to $2{,}4.10^{-2}$ mV from $2{,}4.10^{-2}$ mV to $1{,}8.10^{-1}$ mV from $1{,}8.10^{-4}$ V to $1{,}8.10^{-3}$ V from $1{,}8.10^{-3}$ V to $3{,}3.10^{-3}$ V	
			Frequency from 20 Hz to 55 Hz from 2 mV to 200 mV from 200 mV to 2000 mV from 2,0 V to 20 V from 20 V to 200 V from 200 V to 1000 V from 2 mV to 200 mV from 200 mV to 2000 mV from 2,0 V to 20 V from 20 V to 200 V from 200 V to 1000 V	from 20 Hz from $3{,}8.10^{-3}$ mV to $2{,}4.10^{-2}$ mV from $2{,}4.10^{-2}$ mV to $1{,}8.10^{-1}$ mV from $1{,}8.10^{-4}$ V to $1{,}8.10^{-3}$ V from $1{,}8.10^{-3}$ V to $1{,}9.10^{-2}$ V from $1{,}9.10^{-2}$ V to $2{,}8.10^{-2}$ V to 55 Hz from $2{,}6.10^{-3}$ mV to $1{,}9.10^{-2}$ mV from 1,9. 10^{-2} mV to $5{,}2.10^{-2}$ mV from $5{,}2.10^{-5}$ V to $5{,}5.10^{-4}$ V from $5{,}5.10^{-4}$ V to $8{,}1.10^{-3}$ V from $8{,}1.10^{-3}$ V to $5{,}7.10^{-2}$ V	
			Frequency 50 Hz from 1,0 kV to 10,0 kV from 10,0 kV to 40,0 kV	 from $3{,}4.10^{-4}$ kV to $2{,}2.10^{-3}$ kV from $2{,}2.10^{-3}$ kV to $1{,}4.10^{-2}$ kV	

Type of the scope: *flexible for part of the scope*					
№	**Measuring instrument**	**Measured value unit of measure**	**Measurement Range**	**Uncertainly of measurement**	**Calibration method**
1	**2**	**3**	**4**	**5**	**6**
			from 40,0 kV to 100,0 kV	from $1,4.10^{-2}$ kV to $3,3.10^{-2}$ kV	
			Frequency from 55 Hz to 305 Hz from 2 mV to 200 mV from 200 mV to 2000 mV from 2,0 V to 20 V from 20 V to 200 V from 200 V to 1000 V from 2 mV to 200 mV from 200 mV to 2000 mV from 2,0 V to 20 V from 20 V to 200 V from 200 V to 1000 V	from 55 Hz from $2,6.10^{-3}$ mV to $1,9.10^{-2}$ mV from $1,9.10^{-2}$ mV to $5,2.10^{-2}$ mV from $5,2.10^{-5}$ V to $5,5.10^{-4}$ V from $5,5.10^{-4}$ V to $8,1.10^{-3}$ V from $8,1.10^{-3}$ V to $5,7.10^{-2}$ V to 305 Hz from $2,1.10^{-3}$ mV to $1,9.10^{-2}$ mV from $1,9.10^{-2}$ mV to $5,2.10^{-2}$ mV from $5,2.10^{-5}$ V to $5,5.10^{-4}$ V from $5,5.10^{-4}$ V to $8,1.10^{-3}$ V from $8,1.10^{-3}$ V to $5,7.10^{-2}$ V	
			Frequency from 305 Hz to 1 kHz from 2 mV to 200 mV from 200 mV to 2000 mV from 2,0 V to 20 V from 20 V to 200 V from 200 V to 1000 V from 2 mV to 200 mV from 200 mV to 2000 mV from 2,0 V to 20 V from 20 V to 200 V from 200 V to 1000 V	from 305 Hz from $2,1.10^{-3}$ mV to $1,9.10^{-2}$ mV from $1,9.10^{-2}$ mV to $5,2.10^{-2}$ mV from $5,2.10^{-5}$ V to $5,5.10^{-4}$ V from $5,5.10^{-4}$ V to $8,1.10^{-3}$ V from $8,1.10^{-3}$ V to $5,7.10^{-2}$ V to 1 kHz from $2,1.10^{-3}$ mV to $1,9.10^{-2}$ mV from $1,9.10^{-2}$ mV to $5,2.10^{-2}$ mV from $5,2.10^{-5}$ V to $5,5.10^{-4}$ V from $5,5.10^{-4}$ V to $6,8.10^{-3}$ V from $6,8.10^{-3}$ V to $5,7.10^{-2}$ V	
			Frequency from 1 kHz to 3 kHz from 2 mV to 200 mV from 200 mV to 2000 mV from 2,0 V to 20 V from 20 V to 200 V from 200 V to 1000 V from 2 mV to 200 mV from 200 mV to 2000 mV from 2,0 V to 20 V from 20 V to 200 V from 200 V to 1000 V	from 1 kHz from $2,1.10^{-3}$ mV to $1,9.10^{-2}$ mV from $1,9.10^{-2}$ mV to $5,2.10^{-2}$ mV from $5,2.10^{-5}$ V to $5,5.10^{-4}$ V from $5,5.10^{-4}$ V to $6,8.10^{-3}$ V from $6,8.10^{-3}$ V to $5,7.10^{-2}$ V to 3 kHz from $2,6.10^{-3}$ mV to $1,9.10^{-2}$ mV from $1,9.10^{-2}$ mV to $5,2.10^{-2}$ mV from $5,2.10^{-5}$ V to $5,7.10^{-4}$ V from $5,7.10^{-4}$ V to $6,8.10^{-3}$ V from $6,8.10^{-3}$ V to $5,9.10^{-2}$ V	
			Frequency from 3 kHz to 10 kHz from 2 mV to 200 mV from 200 mV to 2000 mV from 2,0 V to 20 V from 20 V to 200 V from 200 V to 1000 V	from 3 kHz from $2,6.10^{-3}$ mV to $1,9.10^{-2}$ mV from $1,9.10^{-2}$ mV to $5,2.10^{-2}$ mV from $5,2.10^{-5}$ V to $5,7.10^{-4}$ V from $5,7.10^{-4}$ V to $6,8.10^{-3}$ V from $6,8.10^{-3}$ V to $5,9.10^{-2}$ V to 10 kHz	

Type of the scope: *flexible for part of the scope*					
№	**Measuring instrument**	**Measured value unit of measure**	**Measurement Range**	**Uncertainly of measurement**	**Calibration method**
1	**2**	**3**	**4**	**5**	**6**
			from 2 mV to 200 mV	from $2{,}6.10^{-3}$ mV to $1{,}9.10^{-2}$ mV	
			from 200 mV to 2000 mV	from $1{,}9.10^{-2}$ mV to $5{,}2.10^{-2}$ mV	
			from 2,0 V to 20 V	from $5{,}2.10^{-5}$ V to $5{,}6.10^{-4}$ V	
			from 20 V to 200 V	from $5{,}6.10^{-4}$ V to $6{,}8.10^{-3}$ V	
			from 200 V to 1000 V	from $6{,}8.10^{-3}$ V to $5{,}9.10^{-2}$ V	
			Frequency from 10 kHz to 30 kHz	from 10 kHz	
			from 2 mV to 200 mV	from $2{,}6.10^{-3}$ mV to $1{,}9.10^{-2}$ mV	
			from 200 mV to 2000 mV	from $1{,}9.10^{-2}$ mV to $5{,}2.10^{-2}$ mV	
			from 2,0 V to 20 V	from $5{,}2.10^{-5}$ V to $5{,}6.10^{-4}$ V	
			from 20 V to 200 V	from $5{,}6.10^{-4}$ V to $6{,}8.10^{-3}$ V	
			from 200 V to 329 V	from $6{,}8.10^{-3}$ V to $2{,}0.10^{-2}$ V	
			from 2 mV to 200 mV	to 30 kHz from $3{,}1.10^{-3}$ mV to $3{,}7.10^{-2}$ mV	
			from 200 mV to 2000 mV	from $3{,}7.10^{-2}$ mV to $5{,}7.10^{-2}$ mV	
			from 2,0 V to 20 V	from $5{,}7.10^{-5}$ V to $6{,}2.10^{-4}$ V	
			from 20 V to 200 V	from $6{,}2 \cdot 10^{-4}$ V to $8{,}6 \cdot 10^{-3}$ V	
			from 200 V to 329 V	from $8{,}6.10^{-3}$ V to $3{,}3.10^{-2}$ V	
			Frequency from 30 kHz to 60 kHz	from 30 kHz	
			from 2 mV to 200 mV	from $3{,}1.10^{-3}$ mV to $3{,}7.10^{-2}$ mV	
			from 200 mV to 2000 mV	from $3{,}7.10^{-2}$ mV to $5{,}7.10^{-2}$ mV	
			from 2,0 V to 20 V	from $5{,}7.10^{-5}$ V to $6{,}2.10^{-4}$ V	
			from 20 V to 200 V	from $6{,}2.10^{-4}$ V to $8{,}6.10^{-3}$ V	
			from 2 mV to 200 mV	to 60 kHz from $4{,}2.10^{-3}$ mV to $3{,}7.10^{-2}$ mV	
			from 200 mV to 2000 mV	from $3{,}7.10^{-2}$ mV to $1{,}1.10^{-1}$ mV	
			from 2,0 V to 20 V	from $1{,}1.10^{-4}$ V to $1{,}6.10^{-3}$ V	
			from 20 V to 200 V	from $1{,}6.10^{-3}$ V to $1{,}8.10^{-2}$ V	
			Frequency from 60 kHz to 100 kHz	from 60 kHz	
			from 2 mV to 200 mV	from $4{,}2.10^{-3}$ mV to $3{,}7.10^{-2}$ mV	
			from 200 mV to 2000 mV	from $3{,}7.10^{-2}$ mV to $1{,}1.10^{-1}$ mV	
			from 2,0 V to 20 V	from $1{,}1.10^{-4}$ V to $1{,}6.10^{-3}$ V	
			from 20 V to 200 V	from $1{,}6.10^{-3}$ V to $1{,}8.10^{-2}$ V	
			from 2 mV to 200 mV	to 100 kHz from $4{,}2.10^{-3}$ mV to $7{,}1.10^{-2}$ mV	
			from 200 mV to 2000 mV	from $7{,}1.10^{-2}$ mV to $1{,}1.10^{-1}$ mV	
			from 2,0 V to 20 V	from $1{,}1.10^{-4}$ V to $1{,}6.10^{-3}$ V	
			from 20 V to 200 V	from $1{,}6.10^{-3}$ V to $1{,}9.10^{-2}$ V	
			Frequency from 100 kHz to 500 kHz	from 100 kHz	
			from 2 mV to 2000 mV	from $4{,}2.10^{-3}$ mV to $1{,}1.10^{-1}$ mV	
			from 2,0 V to 3,29 V	from $1{,}1.10^{-4}$ V to $2{,}2.10^{-4}$ V	
			from 3,29 V to 19 V	from $2{,}2.10^{-4}$ V to $1{,}6.10^{-3}$ V	

Type of the scope: *flexible for part of the scope*					
№	**Measuring instrument**	**Measured value unit of measure**	**Measurement Range**	**Uncertainly of measurement**	**Calibration method**
1	**2**	**3**	**4**	**5**	**6**
			from 2 mV to 2000 mV from 2,0 V to 3,29 V from 3,29 V to 19 V	to 500 kHz from $2{,}1.10^{-2}$ mV to $6{,}4.10^{-1}$ mV from $6{,}4.10^{-4}$ V to $3{,}3.10^{-3}$ V from $3{,}3.10^{-3}$ V to $8{,}1.10^{-3}$ V	
		12.2.3 Direct current I_{DC}, [A]	from 0 A to 10 A from 10 A to 18 A	from $5{,}8.10^{-5}$ A to $1{,}1.10^{-3}$ A from $1{,}1.10^{-3}$ A to $2{,}3.10^{-3}$ A	
		12.2.4 Alternating current, I_{AC}, [A]	Frequency from 10 Hz to 55 Hz from 100 µA to 10 A from 10 A to 18 A from 100 µA to 10 A from 10 A to 18 A	 from 10 Hz from $2{,}9.10^{-5}$ A to $1{,}2.10^{-3}$ A from $1{,}2.10^{-3}$ A to $1{,}2.10^{-3}$ A to 55 Hz from $2{,}9.10^{-5}$ A to $3{,}3.10^{-3}$ A from $3{,}3.10^{-3}$ A to $5{,}6.10^{-3}$ A	
			Frequency from 55 Hz to 300 Hz from 10 µA to 10 A from 10 A to 18 A from 10 µA to 10 A from 10 A to 18 A	 from 55 Hz from $2{,}9.10^{-5}$ A to $3{,}4.10^{-3}$ A from $3{,}3.10^{-3}$ A to $5{,}6.10^{-3}$ A to 300 Hz from $2{,}9.10^{-5}$ A to $3{,}0.10^{-3}$ A from $3{,}0.10^{-3}$ A to $6{,}4.10^{-3}$ A	
			Frequency from 300 Hz to 1 kHz from 100 µA to 10 A from 10 A to 18 A from 100 µA to 10 A from 10 A to 18 A	 from 300 Hz from $2{,}9.10^{-5}$ A to $3{,}0.10^{-3}$ A from $3{,}0.10^{-3}$ A to $6{,}4.10^{-3}$ A to 1 kHz from $2{,}9.10^{-5}$ A to $3{,}0.10^{-3}$ A from $3{,}0.10^{-3}$ A to $5{,}3.10^{-3}$ A	
			Frequency from 1 kHz to 5 kHz from 100 µA to 10 A from 10 A to 18 A from 100 µA to 10 A from 10 A to 18 A	 from 1 kHz from $2{,}9.10^{-5}$ A to $3{,}0.10^{-3}$ A from $3{,}0.10^{-3}$ A to $5{,}3.10^{-3}$ A to 5 kHz from $2{,}9.10^{-5}$ A to $6{,}8.10^{-3}$ A from $6{,}8.10^{-3}$ A to $1{,}3.10^{-2}$ A	
			Frequency from 5 kHz to 10 kHz from 100 µA to 2,99 A from 2,99 A to 18 A from 100 µA to 2,99 A from 2,99 A to 18 A	 from 5 kHz from $2{,}9.10^{-5}$ A to $6{,}8.10^{-3}$ A from $6{,}8.10^{-3}$ A to $1{,}3.10^{-2}$ A to 10 kHz from $2{,}9.10^{-5}$ A to $3{,}7.10^{-3}$ A from $3{,}7.10^{-3}$ A to $1{,}3.10^{-1}$ A	
		12.2.5 Active resistance, R, [Ω]	from 0 Ω to 2 Ω from 2 Ω to 20 Ω from 20 Ω to 200 Ω from 200 Ω to 2000 Ω from 2 kΩ to 20 kΩ from 20 kΩ to 200 kΩ from 200 kΩ to 2000 kΩ from 2 MΩ to 20 MΩ from 20 MΩ to 200 MΩ from 200 MΩ to 1000 MΩ from 1 GΩ to 10 GΩ	from $3{,}1.10^{-6}$ Ω to $5{,}5.10^{-6}$ Ω from $5{,}5.10^{-6}$ Ω to 4.10^{-5} Ω from 4.10^{-5} Ω to $3{,}7.10^{-4}$ Ω from $3{,}7.10^{-4}$ Ω to $3{,}4.10^{-3}$ Ω from $3{,}4.10^{-6}$ kΩ to $3{,}5.10^{-5}$ kΩ from $3{,}5.10^{-5}$ kΩ to $6{,}1.10^{-4}$ kΩ from $6{,}1.10^{-4}$ kΩ to $7{,}7.10^{-3}$ kΩ from $7{,}7.10^{-6}$ MΩ to $8{,}9.10^{-4}$ MΩ from $8{,}9.10^{-4}$ MΩ to $1{,}6.10^{-2}$ MΩ from $1{,}6.10^{-2}$ MΩ to $1{,}3.10^{-1}$ MΩ from $1{,}3.10^{-4}$ GΩ to $1{,}3.\ 10^{-2}$ GΩ	
		12.2.6 Frequency, f, [Hz]	from 10 Hz to 1000 Hz from 1000 Hz to 10 kHz	from $1{,}6.10^{-6}$ Hz to $1{,}3.10^{-5}$ Hz from $1{,}3.10^{-8}$ kHz to $6{,}3.10^{-8}$ kHz	

Type of the scope: *flexible for part of the scope*					
№	**Measuring instrument**	**Measured value unit of measure**	**Measurement Range**	**Uncertainly of measurement**	**Calibration method**
1	**2**	**3**	**4**	**5**	**6**
			from 10 kHz to 1 MHz from 1 MHz to 100 MHz	from $6,3.10^{-8}$ kHz to $3,1.10^{-6}$ kHz from $3,1.10^{-9}$ MHz to $1,5.10^{-8}$ MHz	
13.	MASS				
13.1	Non-automatic weighing instruments***	Mass, kg	Accuracy class I to 130 g to 500 g	 from 0,01 mg to 0,04 mg from 0,1 mg to 0,4 mg	WQP CW-02/ 02.02.2022 БДС EN 45501
			Accuracy class II to 1 kg to 20 kg to 60 kg to 120 kg	 0,001 g 0,01 g 0,2 g 1,2 g	
			Accuracy class III and IV to 10 kg to 300 kg to 500 kg to 4000 kg to 60 000 kg to 120 000 kg	 0,1 g 5 g 50 g 400 g 7 kg 9 kg	
13.2	Automatic weighing instruments – dispensers ***	Mass, kg	from 1 kg to 5 000 kg from 5 000 kg to 10 000 kg	from 0,2 g to 1 kg from 1 kg to 5 kg	WQP CW-03/ 02.02.2022
13.3	Weights class F1 and non-standard weights	Mass, kg	1 mg 2 mg 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg 1 g 2 g 5 g 10 g 20 g 50 g 100 g 200 g 500 g 1 kg 2 kg 5 kg 10 kg 20 kg	0,0067 mg 0,0067 mg 0,0067 mg 0,0083 mg 0,01 mg 0,013 mg 0,017 mg 0,02 mg 0,027 mg 0,033 mg 0,037 mg 0,055 mg 0,067 mg 0,083 mg 0,1 mg 0,15 mg 0,33 mg 0,83 mg 1,7 mg 3,3 mg 8,3 mg 17 mg 33 mg	WQP CW-01/ 28.12.2024
	Weights class F2 and non-standard weights **	Mass, kg	1 mg 2 mg 5 mg 10 mg 20 mg	0,02 mg 0,02 mg 0,02 mg 0,027 mg 0,033 mg	WQP CW-01/28.12.2024

Type of the scope: *flexible for part of the scope*					
№	**Measuring instrument**	**Measured value unit of measure**	**Measurement Range**	**Uncertainly of measurement**	**Calibration method**
1	**2**	**3**	**4**	**5**	**6**
			50 mg 100 mg 200 mg 500 mg 1 g 2 g 5 g 10 g 20 g 50 g 100 g 200 g 500 g 1 kg 2 kg 5 kg 10 kg 20 kg 50 kg 100 kg 200 kg 500 kg 1000 kg	0,04 mg 0,053 mg 0,067 mg 0,083 mg 0,1 mg 0,13 mg 0,17 mg 0,2 mg 0,27 mg 0,33 mg 0,53 mg 1,0 mg 2,7 mg 5,3 mg 10 mg 27 mg 53 mg 100 mg 160 mg 320 mg 600 mg 1,6 g 3,2 g	
	Weights class M_1, M_{1-2}, M_2, M_{2-3}, M_3 and non-standard weights **	Mass, kg	1 mg 2 mg 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg 1 g 2 g 5 g 10 g 20 g 50 g 100 g 200 g 500 g 1 kg 2 kg 5 kg 10 kg 20 kg 50 kg 100 kg 200 kg 500 kg 1000 kg	0,067 mg 0,067 mg 0,067 mg 0,083 mg 0,1 mg 0,13 mg 0,17 mg 0,20 mg 0,27 mg 0,33 mg 0,40 mg 0,53 mg 0,67 mg 0,83 mg 1,0 mg 1,7 mg 3,3 mg 8,3 mg 17 mg 33 mg 83 mg 170 mg 330 mg 830 mg 1,7 g 3,3 g 8,3 g 17 g	WQP CW-01/ 28.12.2024
14.	VOLUME				
14.1	Glass and plastic volume measures	Volume, l	from 1 ml to 5 ml from 0,005 l to 1 l from 1 l to 5 l from 5 l to 10 l	from 0,006 ml to 0,009 ml from 0,009 ml to 0,1 ml from 0,1 ml to 1,5 ml from 1,5 ml to 4,5 ml	WQP CV-01/ 02.02.2022 WQP CV-02/ 02.02.2022
14.2	Metal volume measures	Volume, l	from 1 l to 5 l from 5 l to 10 l	from 0,03 ml to 3,2 ml from 3,2 ml to 4,5 ml	WQP CV-01/ 02.02.2022

Type of the scope: *flexible for part of the scope*					
№	**Measuring instrument**	**Measured value unit of measure**	**Measurement Range**	**Uncertainly of measurement**	**Calibration method**
1	**2**	**3**	**4**	**5**	**6**
			from 10 l to 20 l from 20 l to 50 l	from 4,5 ml to 6,8 ml from 6,8 ml to 7,7 ml	WQP CV-02/ 02.02.2022
15.	TIME INTERVAL				
15.1	Time measuring devices - stopwatches (mechanical and electronic) - period meters	Time interval, s	 from 0,1 s to 36 000 s from 0 s to 10^5 s	 0,016 s to 0,1 s $(1,2E^{-9} + 1,2E^{-11}t)$ s	WQP CCW-01/ 20.03.2023
16.	PHYSICOCHEMICAL AND/OR ELECTRICAL QUANTITIES				
16.1	Conductometers	Specific conductance of an electrolyte solution, S/m	from 1,29 µS/cm to 100,3 mS/cm	from 0,14 µS/cm to 1,38 mS/cm	WQP CE-04/ 19.02.2024
16.2	PH meters	Hydrogen index, pH	from 1,6 pH to 12,5 pH	from 0,04 pH to 0,11 pH	WQP PH-01/ 19.02.2024
		Voltage, mV	from -1400 mV to +1400 mV	from 0,011 mV to 0,07 mV	
17	SPEED				
17.1	Air velocity meters	Speed, m/s	From 0,155 m/s to 20 m/s From 20 m/s to 30 m/s	from 0,014 m/s to 0,14 m/s from 0,14 m/s to 0,22 m/s	WQP AP-01/ 29.01.2024

** Flexible scope: Implementing a new version of standards/documents or standards / documents replacing them is allowed. An updated list of standards/documents and their dated versions is provided by CAB.*

*** The Specified measuring devices are calibrated on site at the customer or in the laboratory.*

**** The specified measuring devices are calibrated at the customer.*

Flexible scope references:

1. WQP CTQ-03 Calibration of devices measuring static torque to standard DIN 51309.

2. WQP CTQ-04 Calibration of devices measuring static torque to guidance EURAMET cg-14.

3. WQP CTQ-05 Calibration of torque tools - wrenches and screwdrivers (based on БДС EN ISO 6789-1 and БДС EN ISO 6789-2).

4. WQP CE-01 Calibration of digital multifunctional measuring devices (EURAMET cg-15).

5. WQP CE-02 Calibration of digital and analogue instruments measuring electrical quantities (EURAMET cg-15).

6. WQP CE-03 Calibration of calibrators of electrical quantities, high voltage sources and standard resistors (EURAMET cg-15).

7. WQP CH-01 Calibration of hardness testing machines (hardness meters) (based on БДС EN ISO 868, БДС EN ISO 6507-2, БДС EN ISO 6508-2, БДС EN ISO 6506-2, БДС EN ISO 6506-3, БДС EN ISO 14577-2, ASTM E92, ASTM E18, ASTM E10).

8. WQP CH-02 Calibration of hardness reference blocks (based on БДС EN ISO 868, БДС EN ISO 6507-3, БДС EN ISO 6508-3, ASTM E92, ASTM E18).

9. WQP CF-01-1 Calibration of tension/compression and tension creep material testing machines (based on БДС EN ISO 7500-1, БДС EN ISO 7500-2, БДС EN 12390-4 Annex A, ASTM E4).

10. WQP CF-02-1 Calibration of force-proving instruments (based on БДС EN ISO 376, ASTM E74).

11. WQP CIT-01-1 Calibration of impact testing machines (pendulum) (based on БДС EN ISO 148-2, ASTM E23, БДС EN ISO 13802, BS 131-4).

12. WQP CGP-09 Calibration of laboratory sieves (based on БДС EN ISO 3310-1, БДС EN ISO 3310-2, БДС EN ISO 3310-3).

Fixed scope references:

13. WQP CTQ-01/14.08.2021- Calibration of comparative torque wrenches.

14. WQP CTQ-02/14.08.2021- Calibration of equipment for calibration of torque tools.

15. WQP CP-01/14.02.2019- Calibration of diaphragm and diaphragm box pressure gauges.

16. WQP CP-02/14.08.2021 based on EURAMET cg-17, v. 4.0 (04/2019)- Calibration of electromechanical and mechanical pressure gauges (based on EURAMET cg-17).

17. WQP CP-03/01.02.2019 based on EURAMET cg-3, v. 1.0 (03/2011) - Calibration of piston pressure gauges (based on EURAMET cg-3).

18. WQP CT-01/14.08.2021- Calibration of resistance thermometers.

19. WQP CT-02/14.08.2021 based on EURAMET cg-11, v.2.0 (03/2011)- Calibration of temperature measuring devices with temperature indicators and simulators by electrical modelling and measurement (based on EURAMET cg-11).

20. WQP CT-03/14.08.2021 based on EURAMET cg-8, v. 3.1 (10/2020)- Calibration of temperature measuring instruments with thermocouples (based on EURAMET cg-8).

21. WQP CT-04/14.08.2021 based on EURAMET cg-13 v. 4.0 (09/2017)- Calibration of temperature measuring devices c temperature block calibrators (based on EURAMET cg-13).

22. WQP CT-05/14.08.2021 based on OIML R 133, 2002- Calibration of liquid-in-glass thermometers to OIML R 133.

23. WQP CT-06/14.08.2021 based on PTB PRUFREGAL BAND 2/ 2005- Calibration of liquid-in-glass thermometers to PTB-TESTING INSTRUCTION, VOLUME 2.

24. WQP CT-07/11.09.2021 -Calibration of devices measuring temperature and relative air humidity.

25. WQP CT-08/11.09.2021 - Calibration of Climate cameras.

26. WQP CGP-01/01.02.2019 -Calibration of Length Measures.

27. WQP CGP-01-1/19.02.2019 based on EN ISO 3650:1998- Calibration of gauges and end blocks to EN ISO 3650.

28. WQP CGP-01-2 /14.08.2021 based on EURAMET cg-6 , v. 2.0 (03/2011)- Calibration of cylinder gauges to guidance EURAMET cg-6.

29. WQP CGP-02-1/14.08.2021 based on EN ISO 9513:2012/AC:2013, ASTM E83-16, 25.01.2017- Calibration of Extensometers for testing machines according to EN ISO 9513.

30. WQP CGP-03/14.08.2021 based on VDE/VDI/DGQ 2618, p.9.1; p.9.2; p.9.3/ 2006-03- Calibration of universal callipers, depth gauges and altimeters (based on VDE/VDI/DGQ 2618, p.9.1; p.9.2; p.9.3).

31. WQP CGP-04-1/14.08.2021 based on VDE/VDI/DGQ 2618, 2618, p.10.1:2001-11, p.10.7:2010-08- Calibration of micrometer (based on VDE/VDI/DGQ 2618, p.10.1, p.10.7).

32. WQP CGP-04-2/14.08.2021 based on VDE/VDI/DGQ 2618, p.10.3:2002-08- Calibration of micrometers with dial indicator (based on VDE/VDI/DGQ 2618, p.10.3).

33. WQP CGP-05/ 14.08.2021 based on VDE/VDI/DGQ 2618, 11.1:2021-08, p. 11.2:2002-08, p.11.3:2002-09, p.12.1:2005-02- Calibration of dial indicators and thickness gauges (based on VDE/VDI/DGQ 2618, p.11.1, p.11.2, p.11.3, p.12.1).

34. WQP CGP-05-1/14.08.2021 based on VDE/VDI/DGQ 2618, p.13.1:2005-11, p.13.2:2005-11 - Calibration of inside gauges (based on VDE/VDI/DGQ 2618, p.13.1, p.13.2).

35. WQP CGP-05-02/18.10.2021- Calibration of thickness meters (ultrasonic and electromagnetic).

36. WQP CGP-06/01.02.2019 based on EURAMET cg-2 , v. 2.0 (03/2011)- Calibration of gauge block comparators (based on EURAMET cg-2).

37. WQP CGP-07/14.08.2021- Calibration of graduated length measures.

38. WQP CGP-08-1/14.08.2021- Calibration of microscopes and profile projectors.

39. WQP CGP-08-2/14.08.2021- Calibration of inclinometers.

40. WQP CGP-08-3/04.02.2022- Calibration of angular measures..

41. WQP CGP-08-4/04.02.2022- Calibration of master square 90°.

42. WQP CGP-08-5/04.02.2022- Calibration of protractors.

43. WQP CGP-10/02.02.2022 - Calibration of roughness measuring devices.

44. WQP CGP-11/02.02.2022 - Calibration of roughness standards and samples.

45. WQP CW-01/02.02.2022 - Calibration of weights (based on OIML R 111, 2004).

46. WQP CW-02/02.02.2022 based on EURAMET cg-18, v.4.0 (11/2015), БДС EN 45501:2015- Calibration of non-automatic weighing instruments.

47. WQP CW-03/02.02.2022 based on OIML R 61, 2017 - Calibration of automatic gravimetric dispensers.

48. WQP CV-01/02.02.2022 based on EURAMET cg-21 , v. 2.1 (09/2021)-Calibration of metal, glass or plastic liquid volume measures by volumetric method.

49. WQP CV-02/02.02.2022 based on EURAMET cg-19, v. 3.0 (09/2019)-Calibration of measures for volume of liquids made of metal, glass or plastic by gravimetric method.

ORDER

To issue the certificate of accreditation reg. № 5 ЛК/25.06.2024 valid until 21.11.2026 and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager of Multitest Ltd, the head of Calibration Laboratory at Multitest Ltd, or another authorized person in the building of EA BAS.

Upon receipt of the certificate and the enclosure issued, the accredited person is obliged to return to EA BAS the originals of accreditation certificate № 5 ЛК/21.11.2022, valid until 21.11.2026 and its enclosure – EA BAS order reg. № A 667/21.11.2022.

This order shall be notified to the legal entity within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS