



EA Scope	Equipment	Quantity	Range	BMC Low Limit	BMC High Limit	Working Standard	Method	Remark	In Situ
Electricity DC and LF	Electrical equipment (AC)	AC-DC current difference	1 A - 20 A (1 kHz - 100 kHz)	8 ppm	56 ppm	Multijunction Thermal Converter & Shunts	ATK BMC 5.04-002		
Electricity DC and LF	Electrical equipment (AC)	AC-DC current difference	100 $\mu$ A - 1 mA (10 Hz - 5 kHz)	3 ppm	19 ppm	Multijunction Thermal Converter, $\mu$ -potmeter & Shunts	ATK BMC 5.04-002		
Electricity DC and LF	Electrical equipment (AC)	AC-DC current difference	10 mA - 100 mA (10 Hz - 5 kHz)	2 ppm	6 ppm	Multijunction Thermal Converter & Shunts	ATK BMC 5.04-002		
Electricity DC and LF	Electrical equipment (AC)	AC-DC current difference	1 A - 20 A (10 Hz - 5 kHz)	6 ppm	21 ppm	Multijunction Thermal Converter & Shunts	ATK BMC 5.04-002		
Electricity DC and LF	Electrical equipment (AC)	AC-DC current difference	100 $\mu$ A - 1 mA (5 kHz - 100 kHz)	3 ppm	35 ppm	Multijunction Thermal Converter, $\mu$ -potmeter & Shunts	ATK BMC 5.04-002		
Electricity DC and LF	Electrical equipment (AC)	AC-DC current difference	100 mA - 1 A (10 Hz - 5 kHz)	5 ppm	8 ppm	Multijunction Thermal Converter & Shunts	ATK BMC 5.04-002		
Electricity DC and LF	Electrical equipment (AC)	AC-DC current difference	10 mA - 100 mA (1 kHz - 100 kHz)	3 ppm	32 ppm	Multijunction Thermal Converter & Shunts	ATK BMC 5.04-002		
Electricity DC and LF	Electrical equipment (AC)	AC-DC voltage difference	100 V - 1000 V (50 kHz - 100 kHz)	10 ppm	31 ppm	Multijunction Thermal Converter & Range Resistor	ATK BMC 5.04-001		
Electricity DC and LF	Electrical equipment (AC)	AC-DC current difference	1 mA - 10 mA (10 Hz - 5 kHz)	2 ppm	5 ppm	Multijunction Thermal Converter	ATK BMC 5.04-002		
Electricity DC and LF	Electrical equipment (AC)	AC-DC current difference	10 $\mu$ A - 100 $\mu$ A (5 kHz - 100 kHz)	17 ppm	65 ppm	$\mu$ -potmeter & Shunts	ATK BMC 5.04-002		
Electricity DC and LF	Electrical equipment (AC)	AC-DC current difference	100 mA - 1 A (1 kHz - 100 kHz)	6 ppm	44 ppm	Multijunction Thermal Converter & Shunts	ATK BMC 5.04-002		
Electricity DC and LF	Electrical equipment (AC)	AC-DC current difference	1 mA - 10 mA (1 kHz - 100 kHz)	3 ppm	18 ppm	Multijunction Thermal Converter	ATK BMC 5.04-002		
Electricity DC and LF	Electrical equipment (AC)	AC-DC current difference	10 $\mu$ A - 100 $\mu$ A (10 Hz - 5 kHz)	17 ppm	53 ppm	$\mu$ -potmeter & Shunts	ATK BMC 5.04-002		
Electricity DC and LF	Electrical equipment (DC)	Voltage (DC)	1 V - 1 V	0,2 $\mu$ V	0,2 $\mu$ V	DC Reference Standard	ATK BMC 5.04-003	Comparison with 6 DC Reference Standards	X
Electricity DC and LF	Electrical equipment (DC)	Voltage (DC)	1,018 V - 1,018 V	0,2 $\mu$ V	0,2 $\mu$ V	DC Reference Standard	ATK BMC 5.04-003	Comparison with 6 DC Reference Standards	X
Electricity DC and LF	Electrical equipment (DC)	Voltage (DC)	10 V - 10 V	2 $\mu$ V	2 $\mu$ V	DC Reference Standard	ATK BMC 5.04-003	Comparison with 6 DC Reference Standards	X
Electricity DC and LF	Electrical equipment (DC)	Voltage (DC)	0 V - 1 mV	3 nV	40 nV	DC Reference Standard, Short for 0 V	ATK BMC 5.04-003	Comparison using dividers and null detector	X
Electricity DC and LF	Electrical equipment (DC)	Voltage (DC)	1 mV - 10 mV	40 ppm	4,6 ppm	DC Reference Standard	ATK BMC 5.04-003	Comparison using dividers and null detector	X
Electricity DC and LF	Electrical equipment (DC)	Voltage (DC)	10 mV - 100 mV	4,6 ppm	1,2 ppm	DC Reference Standard	ATK BMC 5.04-003	Comparison using dividers and null detector	X
Electricity DC and LF	Electrical equipment (DC)	Voltage (DC)	100 mV - 1 V	1,2 ppm	0,7 ppm	DC Reference Standard	ATK BMC 5.04-003	Comparison using dividers and null detector	X
Electricity DC and LF	Electrical equipment (DC)	Voltage (DC)	1 V - 10 V	0,7 ppm	0,5 ppm	DC Reference Standard	ATK BMC 5.04-003	Comparison using dividers and null detector	X
Electricity DC and LF	Electrical equipment (DC)	Voltage (DC)	100 V - 1000 V	0,6 ppm	1,1 ppm	DC Reference	ATK BMC 5.04-003	Comparison using dividers and null detector	X
Electricity DC and LF	Electrical equipment (DC)	Voltage (DC)	10 V - 100 V	0,5 ppm	0,6 ppm	DC Reference	ATK BMC 5.04-003	Comparison using dividers and null detector	X
Electricity DC and LF	Electrical equipment (DC)	Voltage (DC)	1 kV - 40 kV	1,2 V	84 V	High Voltage Probe	ATK BMC 5.04-009		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	1 kV - 6 kV (50 Hz - 60 Hz)	1,4 V	9 V	High Voltage Probe	ATK BMC 5.04-009		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	6 kV - 28 kV (50 Hz - 60 Hz)	21 V	140 V	High Voltage Probe	ATK BMC 5.04-009		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	1 kV - 6 kV (10 Hz - 500 Hz)	12 V	72 V	High Voltage Probe	ATK BMC 5.04-009		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	1 kV - 6 kV (500 Hz - 1 kHz)	24 V	144 V	High Voltage Probe	ATK BMC 5.04-009		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	0,1 kV - 20 kV (DC - 1 MHz)	6,4 V	1,28 kV	High Voltage Probe	ATK BMC 5.04-009		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	0 $\Omega$ - 10 $\mu\Omega$	1,9 n $\Omega$	1,9 n $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	10 $\mu\Omega$ - 100 $\mu\Omega$	1,9 n $\Omega$	3,1 n $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	100 $\mu\Omega$ - 1 m $\Omega$	3,1 n $\Omega$	3,7 n $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	1 m $\Omega$ - 10 m $\Omega$	3,7 n $\Omega$	32 n $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	10 m $\Omega$ - 100 m $\Omega$	32 n $\Omega$	140 n $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	100 m $\Omega$ - 1 $\Omega$	140 n $\Omega$	700 n $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	1 $\Omega$ - 100 $\Omega$	700 n $\Omega$	60 $\mu\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	100 $\Omega$ - 100 k $\Omega$	60 $\mu\Omega$	60 m $\Omega$	Reference Resistor	ATK BMC 5.04-005		X

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Electricity DC and LF	Electrical equipment (DC)	Resistance	100 k $\Omega$ - 1 M $\Omega$	60 m $\Omega$	900 m $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	1 M $\Omega$ - 10 M $\Omega$	900 m $\Omega$	28 $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	10 M $\Omega$ - 100 M $\Omega$	28 $\Omega$	600 $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	100 M $\Omega$ - 1 G $\Omega$	600 $\Omega$	17 k $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	1 T $\Omega$ - 10 T $\Omega$	750 M $\Omega$	35 G $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	10 G $\Omega$ - 100 G $\Omega$	800 k $\Omega$	29 M $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	100 G $\Omega$ - 1 T $\Omega$	29 M $\Omega$	750 M $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	1 G $\Omega$ - 10 G $\Omega$	17 k $\Omega$	800 k $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Resistance	10 T $\Omega$ - 100 T $\Omega$	35 G $\Omega$	1,2 T $\Omega$	Reference Resistor	ATK BMC 5.04-005		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	0 A - 1 pA	1,5 fA	1,5 fA	Reference Resistor, Digital Multimeter	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	1 pA - 10 pA	1,5 fA	5 fA	Reference Resistor, Digital Multimeter	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	10 pA - 100 pA	5 fA	17 fA	Reference Resistor, Digital Multimeter	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	100 pA - 1 nA	17 fA	70 fA	Reference Resistor, Digital Multimeter	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	1 A - 10 A	2,2 $\mu$ A	72 $\mu$ A	Reference Resistor, Digital Multimeter	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	100 A - 1000 A	2,2 mA	500 mA	Reference Resistor/Shunt, Digital Multimeter	ATK BMC 5.04-006	Measurement only.	X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	1 $\mu$ A - 10 $\mu$ A	4,2 pA	17 pA	Reference Resistor, Digital Multimeter	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	100 mA - 1 A	140 nA	2,2 $\mu$ A	Reference Resistor, Digital Multimeter	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	10 $\mu$ A - 100 $\mu$ A	17 pA	140 pA	Reference Resistor, Digital Multimeter	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	1 nA - 10 nA	70 fA	220 fA	Reference Resistor, Digital Multimeter	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	100 nA - 1 $\mu$ A	860 fA	4,2 pA	Reference Resistor, Digital Multimeter	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	100 $\mu$ A - 100 mA	140 pA	140 nA	Reference Resistor, Digital Multimeter	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	10 A - 100 A	72 $\mu$ A	2,2 mA	Reference Resistor, Digital Multimeter	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	0 A - 2000 A	2 mA	4 A	Current Coil	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (DC)	Current (DC)	10 nA - 100 nA	220 fA	860 fA	Reference Resistor, Digital Multimeter	ATK BMC 5.04-006		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	100 $\mu$ V - 2 mV (10 Hz - 10 kHz)	4 $\mu$ V	2 $\mu$ V	Calibrator	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	100 $\mu$ V - 2 mV (10 kHz - 30 kHz)	4,4 $\mu$ V	2 $\mu$ V	Calibrator	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	100 $\mu$ V - 2 mV (30 kHz - 100 kHz)	21 $\mu$ V	2,6 $\mu$ V	Calibrator	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	2 mV - 10 mV (10 Hz - 20 kHz)	0,11 %	240 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	2 mV - 10 mV (20 kHz - 200 kHz)	0,17 %	240 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	2 mV - 10 mV (200 kHz - 500 kHz)	0,25 %	550 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	2 mV - 10 mV (500 kHz - 1 MHz)	0,33 %	770 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	10 mV - 60 mV (10 Hz - 20 kHz)	310 ppm	74 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	10 mV - 60 mV (20 kHz - 200 kHz)	550 ppm	74 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	10 mV - 60 mV (200 kHz - 500 kHz)	770 ppm	370 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	10 mV - 60 mV (500 kHz - 1 MHz)	930 ppm	380 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	60 mV - 600 mV (10 Hz - 20 kHz)	200 ppm	28 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	60 mV - 600 mV (20 kHz - 200 kHz)	370 ppm	28 ppm	AC-DC Transfer Standard	KH 5.2		X

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Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	60 mV - 600 mV (200 kHz - 500 kHz)	380 ppm	70 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	60 mV - 600 mV (500 kHz - 1 MHz)	560 ppm	130 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	600 mV - 10 V (10 Hz - 20 kHz)	82 ppm	12 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	600 mV - 10 V (20 kHz - 200 kHz)	70 ppm	12 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	600 mV - 10 V (200 kHz - 500 kHz)	120 ppm	64 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	600 mV - 10 V (500 kHz - 1 MHz)	180 ppm	88 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	10 V - 1 kV (10 Hz - 20 kHz)	16 ppm	100 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	10 V - 1 kV (20 kHz - 100 kHz)	16 ppm	130 ppm	AC-DC Transfer Standard	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	250 mV - 1 V (50 kHz - 50 MHz)	675 ppm	0,4 %	Thermal Converters	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	5 V - 10 V (50 kHz - 50 MHz)	675 ppm	0,35 %	Thermal Converters	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Voltage (AC)	25 V - 50 V (50 kHz - 50 MHz)	635 ppm	0,53 %	Thermal Converters	KH 5.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 µA - 10 µA (10 Hz - 40 Hz)	390 ppm	140 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 µA - 10 µA (40 Hz - 10 kHz)	160 ppm	130 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 µA - 10 µA (10 kHz - 50 kHz)	190 ppm	130 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 µA - 10 µA (50 kHz - 100 kHz)	450 ppm	170 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	10 µA - 100 µA (10 Hz - 40 Hz)	340 ppm	110 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	10 µA - 100 µA (40 Hz - 10 kHz)	140 ppm	86 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	10 µA - 100 µA (10 kHz - 50 kHz)	170 ppm	86 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	10 µA - 100 µA (50 kHz - 100 kHz)	400 ppm	130 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	100 µA - 1 mA (10 Hz - 40 Hz)	270 ppm	36 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	100 µA - 1 mA (40 Hz - 10 kHz)	100 ppm	28 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	100 µA - 1 mA (10 kHz - 50 kHz)	130 ppm	28 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	100 µA - 1 mA (50 kHz - 100 kHz)	300 ppm	68 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 mA - 5 mA (10 Hz - 40 Hz)	150 ppm	14 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 mA - 5 mA (40 Hz - 10 kHz)	36 ppm	10 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 mA - 5 mA (10 kHz - 50 kHz)	68 ppm	10 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 mA - 5 mA (50 kHz - 100 kHz)	130 ppm	26 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	5 mA - 10 mA (10 Hz - 40 Hz)	56 ppm	14 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	5 mA - 10 mA (40 Hz - 10 kHz)	10 ppm	18 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	5 mA - 10 mA (10 kHz - 50 kHz)	10 ppm	38 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	5 mA - 10 mA (50 kHz - 100 kHz)	26 ppm	46 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	10 mA - 100 mA (10 Hz - 40 Hz)	18 ppm	58 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	10 mA - 100 mA (40 Hz - 10 kHz)	18 ppm	22 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	10 mA - 100 mA (10 kHz - 50 kHz)	18 ppm	44 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	10 mA - 100 mA (50 kHz - 100 kHz)	38 ppm	54 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	100 mA - 1 A (10 Hz - 40 Hz)	22 ppm	62 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	100 mA - 1 A (40 Hz - 10 kHz)	22 ppm	30 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X

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Electricity DC and LF	Electrical equipment (AC)	Current (AC)	100 mA - 1 A (10 kHz - 50 kHz)	22 ppm	60 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	100 mA - 1 A (50 kHz - 100 kHz)	44 ppm	70 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 A - 10 A (10 Hz - 40 Hz)	30 ppm	80 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 A - 10 A (40 Hz - 10 kHz)	30 ppm	60 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 A - 10 A (10 kHz - 50 kHz)	30 ppm	88 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 A - 10 A (50 kHz - 100 kHz)	60 ppm	98 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	10 A - 20 A (10 Hz - 40 Hz)	60 ppm	92 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	10 A - 20 A (40 Hz - 10 kHz)	60 ppm	74 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	10 A - 20 A (10 kHz - 50 kHz)	60 ppm	100 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	10 A - 20 A (50 kHz - 100 kHz)	88 ppm	120 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	20 A - 100 A (10 Hz - 40 Hz)	60 ppm	330 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	20 A - 100 A (40 Hz - 60 Hz)	60 ppm	74 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	20 A - 100 A (60 Hz - 5 kHz)	60 ppm	230 ppm	AC-DC Transfer Standard, Shunte	KH 9.2		X
Electricity DC and LF	Electrical eqp. AC generation	Current (AC)	100 A - 1000 A (10 Hz - 500 Hz)	60 ppm	830 ppm	AC-DC Transfer Standard, Shunte	KH 9.2	Measurement only	X
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 A - 1000 A (10 Hz - 500 Hz)	0,25 %	0,25 %	Current Coil	KH 9.2		X
Electricity DC and LF	Electrical equipment (DC)	Power (DC and AC)	1 µW - 1 mW	9,1 pW	4,7 nW		KH 15.2		X
Electricity DC and LF	Electrical equipment (DC)	Power (DC and AC)	1 mW - 10 W	4,7 nW	55 µW		KH 15.2		X
Electricity DC and LF	Electrical equipment (DC)	Power (DC and AC)	10 W - 1 kW	55 µW	6,2 mW		KH 15.2		X
Electricity DC and LF	Electrical equipment (DC)	Power (DC and AC)	1 kW - 10 kW	6,2 mW	210 mW		KH 15.2		X
Electricity DC and LF	Electrical equipment (DC)	Power (DC and AC)	10 kW - 100 kW	210 mW	4,1 W		KH 15.2		X
Electricity DC and LF	Electrical eqp. DC generation	Power (DC and AC)	100 kW - 1 MW	4,1 W	420 W		KH 15.2		X
Electricity DC and LF	Electrical equipment (DC)	Power (DC and AC)	1 W - 1 MW	0,25 %	0,25 %		KH 15.2	Current Coil for current measurement	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	1 µW - 10 mW (10 Hz - 40 Hz)	370 ppm	22 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	1 µW - 10 mW (40 Hz - 10 kHz)	15 ppm	20 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	1 µW - 10 mW (10 kHz - 50 kHz)	18 ppm	20 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	1 µW - 10 mW (50 kHz - 100 kHz)	420 ppm	46 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	10 mW - 1 W (10 Hz - 40 Hz)	22 ppm	81 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	10 mW - 1 W (40 Hz - 10 kHz)	20 ppm	26 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	10 mW - 1 W (10 kHz - 50 kHz)	20 ppm	48 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	10 mW - 1 W (50 kHz - 100 kHz)	46 ppm	63 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	1 W - 1 kW (10 Hz - 40 Hz)	26 ppm	110 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	1 W - 1 kW (40 Hz - 10 kHz)	24 ppm	52 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	1 W - 1 kW (10 kHz - 50 kHz)	24 ppm	77 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	1 W - 1 kW (50 kHz - 100 kHz)	48 ppm	110 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	1 kW - 20 kW (10 Hz - 40 Hz)	52 ppm	140 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	1 kW - 20 kW (40 Hz - 10 kHz)	39 ppm	86 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	1 kW - 20 kW (10 kHz - 50 kHz)	39 ppm	110 ppm		KH 15.2	cos(φ): 0 - 1	X

EA Scope	Equipment	Quantity	Range	BMC Low Limit	BMC High Limit	Working Standard	Method	Remark	In Situ
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	1 kW - 20 kW (50 kHz - 100 kHz)	77 ppm	150 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	20 kW - 100 kW (10 Hz - 40 Hz)	340 ppm	74 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	20 kW - 100 kW (40 Hz - 60 Hz)	85 ppm	74 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	20 kW - 100 kW (60 Hz - 5 kHz)	74 ppm	240 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	100 kW - 1 MW (10 Hz - 500 Hz)	74 ppm	830 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Power (DC and AC)	1 W - 1 MW (10 Hz - 500 Hz)	0,25 %	0,25 %	Current Coil for current measurement	KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (DC)	Energy	1 mJ - 100 J	200 nJ	800 μJ		KH 15.2		X
Electricity DC and LF	Electrical equipment (DC)	Energy	100 J - 10 MJ	800 μJ	120 J		KH 15.2		X
Electricity DC and LF	Electrical equipment (DC)	Energy	10 MJ - 1 GJ	120 J	72 kJ		KH 15.2		X
Electricity DC and LF	Electrical equipment (DC)	Energy	1 kJ - 10 GJ	0,25 %	0,25 %	Current Coil for current measurement	KH 15.2		X
Electricity DC and LF	Electrical equipment (AC)	Energy	1 mJ - 100 J (10 Hz - 40 Hz)	370 ppm	23 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	1 mJ - 100 J (40 Hz - 10 kHz)	15 ppm	21 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	1 mJ - 100 J (10 kHz - 50 kHz)	18 ppm	21 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	1 mJ - 100 J (50 kHz - 100 kHz)	420 ppm	47 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	100 J - 10 kJ (10 Hz - 40 Hz)	23 ppm	85 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	100 J - 10 kJ (40 Hz - 10 kHz)	21 ppm	27 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	100 J - 10 kJ (10 kHz - 50 kHz)	21 ppm	49 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	100 J - 10 kJ (50 kHz - 100 kHz)	47 ppm	65 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	10 kJ - 10 MJ (10 Hz - 40 Hz)	27 ppm	110 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	10 kJ - 10 MJ (40 Hz - 10 kHz)	25 ppm	53 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	10 kJ - 10 MJ (10 kHz - 50 kHz)	25 ppm	79 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	10 kJ - 10 MJ (50 kHz - 100 kHz)	49 ppm	120 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	10 MJ - 200 MJ (10 Hz - 40 Hz)	53 ppm	140 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	10 MJ - 200 MJ (40 Hz - 10 kHz)	42 ppm	88 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	10 MJ - 200 MJ (10 kHz - 50 kHz)	42 ppm	120 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	10 MJ - 200 MJ (50 kHz - 100 kHz)	79 ppm	150 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	200 MJ - 1 GJ (10 Hz - 40 Hz)	88 ppm	350 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	200 MJ - 1 GJ (40 Hz - 60 Hz)	88 ppm	95 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	200 MJ - 1 GJ (60 Hz - 5 kHz)	88 ppm	240 ppm		KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Energy	1 kJ - 10 GJ (10 Hz - 500 Hz)	0,25 %	0,25 %	Current Coil for current measurement	KH 15.2	cos(φ): 0 - 1	X
Electricity DC and LF	Electrical equipment (AC)	Resistance (AC)	0,5 Ω - 2 Ω (10 Hz - 10 kHz)	5,5 μΩ	1,6 mΩ	Reference Resistor, LCR-meter	KH 7.2		X
Electricity DC and LF	Electrical equipment (AC)	Resistance (AC)	2 Ω - 20 Ω (10 Hz - 10 kHz)	55 μΩ	1,4 mΩ	Reference Resistor, LCR-meter	KH 7.2		X
Electricity DC and LF	Electrical equipment (AC)	Resistance (AC)	20 Ω - 200 Ω (10 Hz - 10 kHz)	420 μΩ	38 mΩ	Reference Resistor, LCR-meter	KH 7.2		X
Electricity DC and LF	Electrical equipment (AC)	Resistance (AC)	200 Ω - 100 kΩ (10 Hz - 10 kHz)	38 mΩ	100 Ω	Reference Resistor, LCR-meter	KH 7.2		X
Electricity DC and LF	Electrical equipment (AC)	Capacitance	1E+16 fF - 10 μF (20 Hz - 100 kHz)	8 ppm	360 ppm	Reference Capacitor, Capacitance Bridge	KH 10.2		X
Electricity DC and LF	Electrical equipment (AC)	Q-factor	0 - 1000 (50 Hz - 10 kHz)	0,0002	6	Reference Inductance, LCR-meter	ATK BMC 5.04-011	Q-factor for Inductance Standards, 100 nH - 10 H.	X
Electricity DC and LF	Electrical equipment (AC)	Dissipation coefficient	0,01 - 4 (20 Hz - 100 kHz)	0,2 %	0,6 %	Reference Capacitor/Resistor, Capacitance Bridge	KH 12.2		X

EA Scope	Equipment	Quantity	Range	BMC Low Limit	BMC High Limit	Working Standard	Method	Remark	In Situ
Electricity DC and LF	Electrical equipment (AC)	Inductance	10 $\mu$ H - 100 $\mu$ H (100 Hz - 1 kHz)	560 ppm	100 ppm	Reference Inductor, LCR-meter	ATK BMC 5.04-011		X
Electricity DC and LF	Electrical equipment (AC)	Inductance	100 $\mu$ H - 1 mH (1 kHz - 10 kHz)	170 ppm	100 ppm	Reference Inductor, LCR-meter	ATK BMC 5.04-011		X
Electricity DC and LF	Electrical equipment (AC)	Inductance	1 H - 10 H (50 Hz - 1 kHz)	90 ppm	530 ppm	Reference Inductor, LCR-meter	ATK BMC 5.04-011		X
Electricity DC and LF	Electrical equipment (AC)	Inductance	1 $\mu$ H - 10 $\mu$ H (100 Hz - 10 kHz)	0,25 %	550 ppm	Reference Inductor, LCR-meter	ATK BMC 5.04-011		X
Electricity DC and LF	Electrical equipment (AC)	Inductance	100 mH - 1 H (50 Hz - 1 kHz)	100 ppm	90 ppm	Reference Inductor, LCR-meter	ATK BMC 5.04-011		X
Electricity DC and LF	Electrical equipment (AC)	Inductance	10 mH - 100 mH (1 kHz - 10 kHz)	90 ppm	210 ppm	Reference Inductor, LCR-meter	ATK BMC 5.04-011		X
Electricity DC and LF	Electrical equipment (AC)	Inductance	10 mH - 100 mH (50 Hz - 1 kHz)	120 ppm	90 ppm	Reference Inductor, LCR-meter	ATK BMC 5.04-011		X
Electricity DC and LF	Electrical equipment (AC)	Inductance	100 mH - 1 H (1 kHz - 10 kHz)	90 ppm	420 ppm	Reference Inductor, LCR-meter	ATK BMC 5.04-011		X
Electricity DC and LF	Electrical equipment (AC)	Inductance	100 nH - 1 $\mu$ H (100 Hz - 10 kHz)	1,2 %	0,25 %	Reference Inductor, LCR-meter	ATK BMC 5.04-011		X
Electricity DC and LF	Electrical equipment (AC)	Inductance	1 mH - 10 mH (1 kHz - 10 kHz)	170 ppm	100 ppm	Reference Inductor, LCR-meter	ATK BMC 5.04-011		X
Electricity DC and LF	Electrical equipment (AC)	Inductance	1 mH - 10 mH (50 Hz - 1 kHz)	140 ppm	100 ppm	Reference Inductor, LCR-meter	ATK BMC 5.04-011		X
Electricity DC and LF	Electrical equipment (AC)	Inductance	100 $\mu$ H - 1 mH (50 Hz - 1 kHz)	200 ppm	100 ppm	Reference Inductor, LCR-meter	ATK BMC 5.04-011		X
Electricity DC and LF	Electrical equipment (AC)	Inductance	10 $\mu$ H - 100 $\mu$ H (1 kHz - 10 kHz)	550 ppm	100 ppm	Reference Inductor, LCR-meter	ATK BMC 5.04-011		X
Electricity DC and LF	Electrical equipment (AC)	Distorsion	0,001 % - 100 % (20 Hz - 100 kHz)	13 %	26 %	Audioanalyzer	KH 23.2	The uncertainty is in % of the measured value	X
Electricity DC and LF	Electrical eqp. AC generation	Distorsion	0,01 % - 10 % (10 Hz - 100 kHz)	32 %	0,1 %		KH 23.2	The uncertainty is in % of the generated value	X
Electricity DC and LF	Electrical eqp. AC generation	Distorsion	10 % - 80 % (10 Hz - 1 MHz)	0,1 %	6 %		KH 23.2	The uncertainty is in % of the generated value	X
Electricity DC and LF	Electrical equipment (AC)	Sinad	-99,99 dB - 0 dB (20 Hz - 100 kHz)	1,2 dB	2,4 dB	Audioanalyzer	KH 24.2		X
Electricity DC and LF	Electrical equipment (AC)	Signal to noise ratio	-99,99 dB - 0 dB (50 Hz - 100 kHz)	1,2 dB	1,2 dB	Audioanalyzer	KH 25.2		X
Electricity HF	Electrical equipment (HF)	Modulation (AM)	0,1 % - 99,9 % (10 Hz - 300 kHz)	0,004 %	0,4 %	Vector Signal Analyzer, Reference Attenuator	ATK BMC 5.04-021	CW: 50 kHz - 200 MHz	X
Electricity HF	Electrical equipment (HF)	Modulation (AM)	0,1 % - 99,9 % (10 Hz - 300 kHz)	0,007 %	0,5 %	Vector Signal Analyzer, Reference Attenuator	ATK BMC 5.04-021	CW: 200 MHz - 2 GHz	X
Electricity HF	Electrical equipment (HF)	Modulation (FM)	0,1 Hz - 5 kHz (20 Hz - 275 kHz)	1 Hz	170 Hz	Modulation Meter	KH 20.2		X
Electricity HF	Electrical equipment (HF)	Modulation (FM)	5 kHz - 500 kHz (20 Hz - 275 kHz)	30 Hz	16 kHz	Modulation Meter	KH 20.2		X
Electricity HF	Electrical equipment (HF)	Modulation (FM)	0,1 Hz - 400 kHz (20 Hz - 200 kHz)	0,1 Hz	8 kHz	Measuring Receiver	KH 20.2		X
Electricity HF	Electrical equipment (HF)	Modulation (FM)	1 kHz - 75 kHz (400 Hz - 15 kHz)	1 Hz	1,2 kHz		KH 20.2	Bessel Zero	X
Electricity HF	Electrical equipment (HF)	Modulation (PM)	0,1 rad - 10 rad (300 Hz - 4 kHz)	0,0053 rad	0,34 rad	Modulation Meter	KH 22.2		X
Electricity HF	Electrical equipment (HF)	Modulation (PM)	10 rad - 500 rad (300 Hz - 4 kHz)	0,23 rad	16,5 rad	Modulation Meter	KH 22.2		X
Electricity HF	Electrical equipment (HF)	Calibration factor	100 % - 100 % (1 kHz - 18 GHz)	0,4 %	1,1 %	Power Sensor, Thermistor Mount (N)	ATK BMC 5.04-18	Z = 50 $\Omega$	X
Electricity HF	Electrical equipment (HF)	Calibration factor	100 % - 100 % (1 kHz - 3 GHz)	0,4 %	1,8 %	Power Sensor (N)	ATK BMC 5.04-18	Z = 75 $\Omega$	X
Electricity HF	Electrical equipment (HF)	Calibration factor	100 % - 100 % (10 MHz - 26,5 GHz)	0,5 %	2,8 %	Power Sensor (3.5mm)	ATK BMC 5.04-18	Z = 50 $\Omega$	X
Electricity HF	Electrical equipment (HF)	Power (HF)	1 nW - 10 $\mu$ W (1 kHz - 18 GHz)	0,9 %	3,9 %	Thermistor Mounts (N), Power Sensors (N)	ATK BMC 5.04-017	Z = 50 $\Omega$	X
Electricity HF	Electrical equipment (HF)	Power (HF)	10 $\mu$ W - 1 mW (1 kHz - 18 GHz)	0,4 %	1,6 %	Thermistor Mounts (N), Power Sensors (N)	ATK BMC 5.04-017	Z = 50 $\Omega$	X
Electricity HF	Electrical equipment (HF)	Power (HF)	1 mW - 10 mW (1 kHz - 18 GHz)	0,4 %	1,5 %	Thermistor Mounts (N), Power Sensors (N)	ATK BMC 5.04-017	Z = 50 $\Omega$	X
Electricity HF	Electrical equipment (HF)	Power (HF)	10 mW - 100 mW (1 kHz - 18 GHz)	0,6 %	1,5 %	Thermistor Mounts (N), Power Sensors (N)	ATK BMC 5.04-017	Z = 50 $\Omega$	X
Electricity HF	Electrical equipment (HF)	Power (HF)	100 mW - 2 W (1 kHz - 18 GHz)	0,8 %	1,8 %	Thermistor Mounts (N), Power Sensors (N)	ATK BMC 5.04-017	Z = 50 $\Omega$	X
Electricity HF	Electrical equipment (HF)	Power (HF)	2 W - 25 W (1 kHz - 18 GHz)	1,1 %	2,2 %	Thermistor Mounts (N), Power Sensors (N)	ATK BMC 5.04-017	Z = 50 $\Omega$	X
Electricity HF	Electrical equipment (HF)	Power (HF)	25 W - 100 W (1 kHz - 6 GHz)	1,8 %	3,5 %	Thermistor Mounts (N), Power Sensors (N)	ATK BMC 5.04-017	Z = 50 $\Omega$	X
Electricity HF	Electrical equipment (HF)	Power (HF)	100 W - 500 W (1 kHz - 3 GHz)	2 %	3,7 %	Thermistor Mounts (N), Power Sensors (N)	ATK BMC 5.04-017	Z = 50 $\Omega$	X

EA Scope	Equipment	Quantity	Range	BMC Low Limit	BMC High Limit	Working Standard	Method	Remark	In Situ
Electricity HF	Electrical equipment (HF)	Power (HF)	1 nW - 10 μW (10 MHz - 26,5 GHz)	0,6 %	5,1 %	Power Sensors (3,5mm)	ATK BMC 5.04-017	Z = 50Ω	X
Electricity HF	Electrical equipment (HF)	Power (HF)	1 mW - 100 mW (1 kHz - 3 GHz)	0,4 %	1,8 %	Power Sensors (N)	ATK BMC 5.04-017	Z = 75Ω	X
Electricity HF	Electrical equipment (HF)	Power (HF)	1 nW - 1 mW (1 kHz - 3 GHz)	0,4 %	4,6 %	Power Sensors (N)	ATK BMC 5.04-017	Z = 75Ω	X
Electricity HF	Electrical equipment (HF)	Power (HF)	100 mW - 1,3 W (1 kHz - 1 GHz)	1,2 %	1,6 %	Power Sensors (N)	ATK BMC 5.04-017	Z = 75Ω	X
Electricity HF	Electrical equipment (HF)	Power (HF)	10 μW - 1 W (10 MHz - 26,5 GHz)	0,6 %	3,3 %	Power Sensors (3,5mm)	ATK BMC 5.04-017	Z = 50Ω	X
Electricity HF	Electrical equipment (HF)	Attenuation	0 dB - 80 dB (100 kHz - 2,5 MHz)	0,04 dB	0,11 dB	Power Sensor (N), Reference Attenuator	KH 26.3	Z = 50Ω, SWR < 1.02	X
Electricity HF	Electrical equipment (HF)	Attenuation	80 dB - 100 dB (100 kHz - 2,5 MHz)	0,11 dB	0,18 dB	Power Sensor (N), Reference Attenuator	KH 26.3	Z = 50Ω, SWR < 1.02	X
Electricity HF	Electrical equipment (HF)	Attenuation	0 dB - 100 dB (2,5 MHz - 1,3 GHz)	0,025 dB	0,08 dB	Measuring Receiver, Microwave Converter	KH 26.3	Z = 50Ω, SWR < 1.02	X
Electricity HF	Electrical equipment (HF)	Attenuation	100 dB - 127 dB (2,5 MHz - 1,3 GHz)	0,08 dB	0,33 dB	Measuring Receiver, Microwave Converter	KH 26.3	Z = 50Ω, SWR < 1.02	X
Electricity HF	Electrical equipment (HF)	Attenuation	0 dB - 80 dB (1,3 GHz - 12,4 GHz)	0,07 dB	0,09 dB	Measuring Receiver, Microwave Converter	KH 26.3	Z = 50Ω, SWR < 1.02	X
Electricity HF	Electrical equipment (HF)	Attenuation	80 dB - 100 dB (1,3 GHz - 12,4 GHz)	0,09 dB	0,24 dB	Measuring Receiver, Microwave Converter	KH 26.3	Z = 50Ω, SWR < 1.02	X
Electricity HF	Electrical equipment (HF)	Attenuation	0 dB - 80 dB (12,4 GHz - 18 GHz)	0,12 dB	0,13 dB	Measuring Receiver, Microwave Converter	KH 26.3	Z = 50Ω, SWR < 1.02	X
Electricity HF	Electrical equipment (HF)	Attenuation	80 dB - 100 dB (12,4 GHz - 18 GHz)	0,13 dB	0,26 dB	Measuring Receiver, Microwave Converter	KH 26.3	Z = 50Ω, SWR < 1.02	X
Electricity HF	Electrical equipment (HF)	Reflectance coefficient (HF)	0 - 1 (100 kHz - 2 GHz)	0,006	0,51	SWR-Bridge	ATK BMC 5.04-016	Z = 50Ω	X
Electricity HF	Electrical equipment (HF)	Reflectance coefficient (HF)	0 - 1 (2 GHz - 18 GHz)	0,013	0,2	SWR-Bridge	ATK BMC 5.04-016	Z = 50Ω	X
Electricity HF	Electrical equipment (HF)	Reflectance coefficient (HF)	0 - 1 (100 kHz - 3 GHz)	0,003	0,61	SWR-Bridge	ATK BMC 5.04-016	Z = 75Ω	X
Electricity HF	Electrical equipment (HF)	Reflectance coefficient (HF)	0 - 1 (200 Hz - 4,5 MHz)	0,001	0,014	SWR-Bridge	ATK BMC 5.04-016	Z = 120Ω	X
Electricity HF	Electrical equipment (HF)	Reflectance coefficient (HF)	0 - 1 (Modulus, 1 kHz - 26,5 GHz)	0,002	0,068	Vector Network Analyzer	ATK BMC 5.04-016	Z = 50Ω	X
Electricity HF	Electrical equipment (HF)	Reflectance coefficient (HF)	0 - 360 (Fase, 1 kHz - 26,5 GHz)	0,6	180	Vector Network Analyzer	ATK BMC 5.04-016	Z = 50Ω	X
Electricity HF	Electrical equipment (HF)	Reflectance coefficient (HF)	0 - 1 (Modulus, 1 kHz - 3 GHz)	0,002	0,018	Vector Network Analyzer	ATK BMC 5.04-016	Z = 75Ω	X
Electricity HF	Electrical equipment (HF)	Reflectance coefficient (HF)	0 - 360 (Fase, 1 kHz - 3 GHz)	0,6	180	Vector Network Analyzer	ATK BMC 5.04-016	Z = 75Ω	X
Electricity HF	Electrical equipment (HF)	Transmission coefficient (HF)	0 - 1 (Modulus, 1 kHz - 26,5 GHz)	0,00013	0,0073	Vector Network Analyzer	ATK BMC 5.04-016	Z = 50Ω	X
Electricity HF	Electrical equipment (HF)	Transmission coefficient (HF)	0 - 360 (Fase, 1 kHz - 26,5 GHz)	0,5	180	Vector Network Analyzer	ATK BMC 5.04-016	Z = 50Ω	X
Electricity HF	Electrical equipment (HF)	Transmission coefficient (HF)	0 - 1 (Modulus, 1 kHz - 3 GHz)	0,00013	0,0068	Vector Network Analyzer	ATK BMC 5.04-016	Z = 75Ω	X
Electricity HF	Electrical equipment (HF)	Transmission coefficient (HF)	0 - 360 (Fase, 1 kHz - 3 GHz)	0,5	180	Vector Network Analyzer	ATK BMC 5.04-016	Z = 75Ω	X
Electricity HF	Electrical equipment (HF)	Directivity	0 - 1 (100 kHz - 2 GHz)	0,002	0,33	Precision Termination, Sliding Termination, Precision Open/Short	ATK BMC 5.04-016	Z = 50Ω	X
Electricity HF	Electrical equipment (HF)	Directivity	0 - 1 (2 GHz - 18 GHz)	0,002	0,25	Precision Termination, Sliding Termination, Precision Open/Short	ATK BMC 5.04-016	Z = 50Ω	X
Electricity HF	Electrical equipment (HF)	Directivity	0 - 1 (18 GHz - 26,5 GHz)	0,022	0,31	Precision Termination, Sliding Termination, Precision Open/Short	ATK BMC 5.04-016	Z = 50Ω	X
Electricity HF	Electrical equipment (HF)	Directivity	0 - 1 (100 kHz - 3 GHz)	0,002	0,34	Precision Termination, Sliding Termination, Precision Open/Short	ATK BMC 5.04-016	Z = 75Ω	X
Electricity HF	Electrical equipment (HF)	Directivity	0 - 1 (200 Hz - 4,5 MHz)	0,001	0,014	Precision Termination, Sliding Termination, Precision Open/Short	ATK BMC 5.04-016	Z = 120Ω	X
Time and Frequency	Time and frequency meas. eq.	Frequency	10 μHz - 100 kHz	0,17 fHz	1,6 μHz	Cesium Standard & Counter	ATK BMC 5.04-013	Measuring time at least 24 hours	X
Time and Frequency	Time and frequency meas. eq.	Period	100 ns - 10 μs	0,0016 fs	0,16 fs	Cesium Standard & Counter	ATK BMC 5.04-013	Measuring time at least 24 hours	X
Time and Frequency	Time and frequency meas. eq.	Frequency	10 MHz - 3 GHz	0,16 mHz	51 mHz	Cesium Standard & Counter	ATK BMC 5.04-013	Measuring time at least 24 hours	X
Time and Frequency	Time and frequency meas. eq.	Timeinterval	1 s - 1000 s	12 ns	12 μs	DCF-77, Counter	ATK BMC 5.04-014		X
Time and Frequency	Time and frequency meas. eq.	Period	25 ps - 350 ps	0,0000015 fs	0,000006 fs	Cesium Standard & Counter	ATK BMC 5.04-013	Measuring time at least 24 hours	X
Time and Frequency	Time and frequency meas. eq.	Period	350 ps - 100 ns	0,000006 fs	0,0016 fs	Cesium Standard & Counter	ATK BMC 5.04-013	Measuring time at least 24 hours	X
Time and Frequency	Time and frequency meas. eq.	Frequency	100 kHz - 10 MHz	1,6 μHz	0,16 mHz	Cesium Standard & Counter	ATK BMC 5.04-013	Measuring time at least 24 hours	X

EA Scope	Equipment	Quantity	Range	BMC Low Limit	BMC High Limit	Working Standard	Method	Remark	In Situ
Time and Frequency	Time and frequency meas. eq.	Frequency	3 GHz - 40 GHz	51 mHz	2,4 Hz	Cesium Standard & Counter	ATK BMC 5.04-013	Measuring time at least 24 hours	X
Time and Frequency	Time and frequency meas. eq.	Period	10 µs - 100 ks	0,16 fs	1,7 µs	Cesium Standard & Counter	ATK BMC 5.04-013	Measuring time at least 24 hours	X
Time and Frequency	Time and frequency meas. eq.	Timeinterval	1 ns - 1 s	19 ps	12 ns	DCF-77, Counter	ATK BMC 5.04-014		X
Time and Frequency	Time and frequency meas. eq.	Rise/falltime	100 ps - 1 ns	25 ps	9 ps	Programmable Pulse Head	ATK BMC 5.04-015		X
Time and Frequency	Time and frequency meas. eq.	Rise/falltime	1 ns - 1 s	9 ps	9 ms	Programmable Pulse Head	ATK BMC 5.04-015		X
Time and Frequency	Time and frequency meas. eq.	Phase	0 - 360 (100 kHz - 10 MHz)	0,012	0,13	DCF-77, Counter	ATK BMC 5.04-014		X
Time and Frequency	Time and frequency meas. eq.	Phase	0 - 360 (1 kHz - 100 kHz)	0,0012	0,012	DCF-77, Counter	ATK BMC 5.04-014		X
Time and Frequency	Time and frequency meas. eq.	Phase	0 - 360 (0,1 Hz - 1 kHz)	0,000013	0,0012	DCF-77, Counter	ATK BMC 5.04-014		X
Time and Frequency	Time and frequency meas. eq.	Rotational frequency	0 rpm - 100000 rpm	1 ppm	1 ppm	DCF-77, Diode	ATK BMC 5.04-026	0,5 digit has to be added to the uncertainty. Calibration of optical tachometers.	X
Time and Frequency	Time and frequency meas. eq.	Rotational frequency	6 rpm - 5000 rpm	1,5 rpm	1,5 rpm	Tachometer	ATK BMC 5.04-026	Measurement of rpm, optical and mechanical.	X
Time and Frequency	Time and frequency meas. eq.	Rotational frequency	5000 rpm - 30000 rpm	2,5 rpm	2,5 rpm	Tachometer	ATK BMC 5.04-026	Measurement of rpm, optical and mechanical.	X
Electricity DC and LF	Electrical equipment (AC)	Rise/falltime	0,35 ns - 1,5 ns (Risetime)	33,5 ps	45 ps	ESD-Target and Oscilloscope	ATK BMC 5.04-030, IEC 61000-4-2	Calibration of ESD-generator with contact tip (150pF, 330Ω).	
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	2,5 A - 50 A (Peakcurrent)	6 %	6 %	ESD-Target and Oscilloscope	ATK BMC 5.04-030, IEC 61000-4-2	Calibration of ESD-generator with contact tip (150pF, 330Ω).	
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	1 A - 25 A (Current, 30 ns)	11 %	11 %	ESD-Target and Oscilloscope	ATK BMC 5.04-030, IEC 61000-4-2	Calibration of ESD-generator with contact tip (150pF, 330Ω).	
Electricity DC and LF	Electrical equipment (AC)	Current (AC)	0,5 A - 15 A (Current, 60 ns)	17 %	17 %	ESD-Target and Oscilloscope	ATK BMC 5.04-030, IEC 61000-4-2	Calibration of ESD-generator with contact tip (150pF, 330Ω).	
Temperature	Temperature Gauge	Temperature	0,01 °C - 0,01 °C	0,0013 °C	0,0013 °C	Triplepoint of Water	ATK BMC 5.04-027		X
Temperature	Temperature Gauge	Temperature	-80 °C - -40 °C	0,013 °C	0,005 °C	Standard Platin Resistance Thermometer	ATK BMC 5.04-027	Comparison in calibration baths.	X
Temperature	Temperature Gauge	Temperature	-40 °C - 300 °C	0,005 °C	0,008 °C	Standard Platin Resistance Thermometer	ATK BMC 5.04-027	Comparison in calibration baths.	X
Temperature	Temperature Gauge	Temperature	300 °C - 400 °C	0,008 °C	0,011 °C	Standard Platin Resistance Thermometer	ATK BMC 5.04-027	Comparison in calibration baths.	X
Temperature	Temperature Gauge	Temperature	400 °C - 500 °C	0,011 °C	0,017 °C	Standard Platin Resistance Thermometer	ATK BMC 5.04-027	Comparison in calibration baths.	X
Temperature	Temperature Gauge	Temperature	500 °C - 660 °C	0,017 °C	0,025 °C	Standard Platin Resistance Thermometer	ATK BMC 5.04-027	Comparison in calibration baths.	X
Humidity	Hygrometer	Relative humidity of air	2 %rh - 98 %rh (-30°C - 0°C)	0,7 %rh	2,6 %rh	Dew Point Mirror	ATK BMC 5.04-028	Over ice.	X
Humidity	Hygrometer	Relative humidity of air	2 %rh - 98 %rh (-5°C - 90°C)	0,5 %rh	1,4 %rh	Dew Point Mirror	ATK BMC 5.04-028	Over water.	X
Pressure and Vacuum	Manometers	Pressure	70 kPa - 130 kPa	8 Pa	15 Pa	Pressure Calibrator	ATK BMC 5.04-029	Barometric Pressure	X
Pressure and Vacuum	Manometers	Pressure	-100 kPa - 0 Pa	8,9 Pa	1,3 Pa	Dead Weight Tester	ATK BMC 5.04-029	Vacuum	X
Pressure and Vacuum	Manometers	Pressure	0 Pa - 2 MPa	1,1 Pa	110 Pa	Dead Weight Tester	ATK BMC 5.04-029	Relative Pressure	X
Pressure and Vacuum	Manometers	Pressure	-15 kPa - 0 Pa	1,5 Pa	0,2 Pa	Pressure Calibrator	ATK BMC 5.04-029	Vacuum	X
Pressure and Vacuum	Manometers	Pressure	0 Pa - 15 kPa	0,2 Pa	1,5 Pa	Pressure Calibrator	ATK BMC 5.04-029	Relative Pressure	X
Pressure and Vacuum	Manometers	Pressure	0 Pa - 16 MPa	13 Pa	1,6 kPa	Pressure Calibrator	ATK BMC 5.04-029	Relative Pressure	X
Pressure and Vacuum	Manometers	Pressure	16 MPa - 20 MPa	1,6 kPa	4,4 kPa	Pressure Calibrator, Pressure Transducer	ATK BMC 5.04-029	Relative Pressure	X
Pressure and Vacuum	Manometers	Pressure	20 MPa - 35 MPa	4,4 kPa	9,1 kPa	Pressure Calibrator, Pressure Transducer	ATK BMC 5.04-029	Relative Pressure	X
Pressure and Vacuum	Manometers	Pressure	35 MPa - 70 MPa	9,1 kPa	19 kPa	Pressure Calibrator, Pressure Transducer	ATK BMC 5.04-029	Relative Pressure	X
Force and torque	Torque measuring device	Torque	3 Nm - 11 Nm	1 %	1 %	Torque Transducer	CIG 0002	ISO 6789 (1992)	X
Force and torque	Torque measuring device	Torque	11 Nm - 1000 Nm	0,9 %	0,9 %	Torque Transducer	CIG 0002	ISO 6789 (1992)	X
Dimensional	Dial gauges/centrumindicators	Length	0 mm - 50 mm	0,8 µm	1,1 µm	Laserinterferometer	K 103 28	Dial gauge, 0,01mm resolution. DS 2352 (1990)	
Dimensional	Dial gauges/centrumindicators	Length	50 mm - 100 mm	2 µm	2,4 µm	Laserinterferometer	K 103 28	Dial gauge, 0,01mm resolution. DS 2352 (1990)	
Dimensional	Dial gauges/centrumindicators	Length	0 mm - 50 mm	0,6 µm	0,9 µm	Laserinterferometer	K 103 29	Dial gauge, 0,001mm resolution. DS 2353 (1990)	
Dimensional	Dial gauges/centrumindicators	Length	50 mm - 100 mm	1,9 µm	2,3 µm	Laserinterferometer	K 103 29	Dial gauge, 0,001mm resolution. DS 2353 (1990)	
Dimensional	-	Length	3 mm - 200 mm	3,3 µm	5 µm	Ring Gauge	K 103 32	Dial gauge for internal measurement	
Dimensional	-	Length	0 mm - 100 mm	3 µm	4 µm	Gauge Block	K 103 36	Dial gauge for external measurement	
Dimensional	Dial gauges/centrumindicators	Length	-0,4 mm - 0,4 mm	0,9 µm	0,9 µm	Laserinterferometer	K 103 30	Dial test indicator with resolution 0,01 - 0,001mm. DS 2356 (1990)	
Dimensional	Dial gauges/centrumindicators	Length	-1 mm - 1 mm	1,3 µm	1,3 µm	Laserinterferometer	K 103 30	Dial test indicator with resolution 0,01 - 0,001mm. DS 2356 (1990)	

EA Scope	Equipment	Quantity	Range	BMC Low Limit	BMC High Limit	Working Standard	Method	Remark	In Situ
Dimensional	Caliper	Length	0 mm - 300 mm	12,8 µm	23,4 µm	Gauge Blocks	CIG 0001	Calliper, DS 2012 (1991)	X
Dimensional	Caliper	Length	300 mm - 500 mm	13,5 µm	23,9 µm	Gauge Blocks	CIG 0001	Calliper, DS 2012 (1991)	X
Dimensional	Caliper	Length	500 mm - 2000 mm	18,6 µm	32,8 µm	Gauge Blocks, Laserinterferometer	CIG 0001	Calliper, DS 2012 (1991)	X
Dimensional	Caliper	Length	0 mm - 300 mm	12 µm	15,3 µm	Gauge Blocks	K 103 33	Depth Calliper, 0,01 - 0,02mm resolution DS 2012 (1991)	
Dimensional	Caliper	Length	0 mm - 300 mm	20 µm	33,3 µm	Gauge Blocks	K 103 33	Depth Calliper, 0,05 - 0,1mm resolution DS 2012 (1991)	
Dimensional	-	Length	0 mm - 1000 mm	0,5 µm	4,7 µm	Gauge Blocks	O 100 U1	External measurement, ABBE type	
Dimensional	-	Length	0,5 mm - 400 mm	0,8 µm	3,2 µm	Ring Gauges, Gauge Blocks	O 100 O1-I	Internal measurement, ABBE type	
Dimensional	Linear scales	Length	0 mm - 1800 mm	7 µm	16 µm	Laserinterferometer	K 103 03	Steel rulers DIN 865 og DIN 866, type A og B	
Dimensional	Linear scales	Length	0 mm - 3000 mm	9 µm	24 µm	Laserinterferometer	K 103 03	Steel rulers (> 1800mm) DIN 865 og DIN 866, type A og B	
Dimensional	Micrometer (all types)	Length	0 mm - 1000 mm	0,8 µm	10,6 µm	Gauge Blocks	CIG 0004	External micrometer, DS 2011 (1985)	X
Dimensional	Micrometer (all types)	Length	0 mm - 25 mm	1,5 µm	1,5 µm	Gauge Blocks	K 103 12	Depth micrometer, DS 2354 (1990)	
Dimensional	Micrometer (all types)	Length	0 mm - 25 mm	1,3 µm	1,3 µm	Gauge Blocks	K 103 09	Micrometer heads, DS 2354 (1990)	
Dimensional	Micrometer (all types)	Length	0 mm - 25 mm	2,5 µm	2,5 µm	Gauge Blocks	K 103 34	Reces micrometer, internal and external measurement	
Dimensional	Linear scales	Length	0 mm - 1000 mm	0,8 µm	4,8 µm	Laserinterferometer	K 103 24	Glass rulers, resolution 0,1 - 1mm	
Dimensional	Profile projector	Length	0 mm - 300 mm	4 µm	6,7 µm	Glass Ruler	K 100 09	Profile projector/measuring microscope with XY table (300x300mm)	X
Dimensional	Gauge blocks	Length	0,5 mm - 100 mm	0,06 µm	0,12 µm	Gauge Blocks	K 101 04	Gauge blocks steel, tungsten carbide and ceramic. 5 pkt. calibration for classification of grade 0, 1 og 2. DS 2010 (1985)	
Dimensional	Micrometer (all types)	Length	5 mm - 150 mm	3 µm	4,4 µm	Ring Gauges	K 103 38	2 pt. micrometer with offset jaws	
Dimensional	Ring gauges	Length	0 mm - 400 mm	0,8 µm	3,6 µm	Gauge Blocks	K 102 02	Plug gauge. DS/ISO 1938 (1980)	
Dimensional	Plug gauges	Length	0,7 mm - 15 mm	0,7 µm	0,8 µm	Ring Gauges	K 102 01	Ring gauge. DS/ISO 1938 (1980), DIN 2250 (1989)	
Dimensional	Plug gauges	Length	15 mm - 400 mm	0,5 µm	1,8 µm	Ring Gauges	K 102 01	Ring gauge. DS/ISO 1938 (1980), DIN 2250 (1989)	
Dimensional	Screw plug gauges	Length	0 mm - 50 mm	1,4 µm	1,4 µm	Gauge Blocks	K 104 04	Thread plug gauge. DS/ISO 1502 (1985)	
Dimensional	Screw plug gauges	Length	50 mm - 100 mm	1,5 µm	1,5 µm	Gauge Blocks	K 104 04	Thread plug gauge. DS/ISO 1502 (1985)	
Dimensional	Screw ring gauges	Length	2,3 mm - 200 mm	1,1 µm	2,9 µm	Ring Gauges	K 104 03	Thread ring gauge. DS/ISO 1502 (1985)	
Dimensional	Snap gauges	Length	10 mm - 50 mm	1,2 µm	1,2 µm	Ring Gauges	K 103 14	Gap gauges	
Dimensional	Snap gauges	Length	50 mm - 100 mm	1,5 µm	1,5 µm	Ring Gauges	K 103 14	Gap gauges	
Dimensional	Micrometer (all types)	Length	4 mm - 200 mm	1,7 µm	3,7 µm	Ring Gauges	CIG 0003	3 pt. micrometer for internal measurement. DS 2351 (1990)	X
Dimensional	Straight edges	Length	0 mm - 2000 mm	3 µm	13 µm	Granite Surface Plate	K 103 21	Straight ruler. DIN 874 Blatt 1	
Dimensional	Surface plates	Flatness	0 mm - 5000 mm	0,8 µm	4,8 µm	Laserinterferometer	K 105 01	Granite- and cast iron surface plates (5000x5000mm). DS 2358 (1992), DS 2359 (1992)	X
Dimensional	Squares	Degree (geometrical)	0 ° - 360 °	0,03 °	0,1 °	Angle Gauge Blocks	K 103 37	Angle protractor, resolution 0,01° - 0,1°	
Dimensional	Squares	Degree (geometrical)	0 ° - 180 °	0,3 °	0,3 °	Angle Gauge Blocks	K 103 39	Angle protractor, resolution 0,5° - 1°	
Dimensional	Roundness standards	Length	0 mm - 300 mm	0,13 µm	0,13 µm	Glass Sphere	K 102 02	1,2% of measured roundness is added to the uncertainty. External roundness, max. 300mm / 60kg	
Dimensional	Roundness standards	Length	3 mm - 400 mm	0,13 µm	0,13 µm	Glass Sphere	K 102 01	1,2% of measured roundness is added to the uncertainty. Internal roundness, max. 300mm / 60kg	
Mass	Weighing instruments	Mass	100 g - 111 kg	0,006 g	6 g	M1	EN 45501, MDIR 34.11-01, MDIR 24.12-01	Non-automatic, class III & IIII, system VII A. Some automatic.	X
Mass	Weighing instruments	Mass	0,01 g - 0,1 g	0,00003 g	0,0002 g	F1	EN 45501, MDIR 34.11-01, MDIR 24.12-01	Non-automatic, class II, system VII B.	X
Mass	Weighing instruments	Mass	100 g - 91 kg	0,0006 g	0,5 g	F1	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X

EA Scope	Equipment	Quantity	Range	BMC Low Limit	BMC High Limit	Working Standard	Method	Remark	In Situ
Mass	Weighing instruments	Mass	100 g - 1,11 kg	0,0002 g	0,002 g	E2	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	100 g - 111 kg	0,006 g	6 g	M1	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	0,001 g - 0,01 g	0,000007 g	0,00002 g	E2	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	1 g - 10 g	0,00004 g	0,0003 g	E2	EN 45501	Non-automatic, class I.	X
Mass	Weighing instruments	Mass	1 g - 10 g	0,001 g	0,007 g	M1	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	1 g - 10 g	0,00004 g	0,0003 g	E2	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	0,1 g - 1 g	0,00002 g	0,0001 g	E2	EN 45501	Non-automatic, class I.	X
Mass	Weighing instruments	Mass	0,01 g - 0,1 g	0,000009 g	0,00006 g	E2	EN 45501	Non-automatic, class I.	X
Mass	Weighing instruments	Mass	10 g - 100 g	0,002 g	0,02 g	M1	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	0,1 g - 1 g	0,00006 g	0,0004 g	F1	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	0,01 g - 0,1 g	0,000009 g	0,00006 g	E2	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	0,001 g - 0,01 g	0,000007 g	0,00002 g	E2	EN 45501	Non-automatic, class I.	X
Mass	Weighing instruments	Mass	100 g - 91 kg	0,0006 g	0,5 g	F1	EN 45501, MDIR 34.11-01, MDIR 24.12-01	Non-automatic, class II, system VII B.	X
Mass	Weighing instruments	Mass	0,1 g - 1 g	0,00006 g	0,0004 g	F1	EN 45501, MDIR 34.11-01, MDIR 24.12-01	Non-automatic, class II, system VII B.	X
Mass	Weighing instruments	Mass	1 g - 10 g	0,0001 g	0,0009 g	F1	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	100 g - 1,11 kg	0,0002 g	0,002 g	E2	EN 45501	Non-automatic, class I.	X
Mass	Weighing instruments	Mass	0,01 g - 0,1 g	0,00003 g	0,0002 g	F1	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	10 g - 100 g	0,002 g	0,02 g	M1	EN 45501, MDIR 34.11-01, MDIR 24.12-01	Non-automatic, class III & IIII, system VII A. Some automatic.	X
Mass	Weighing instruments	Mass	10 g - 100 g	0,00007 g	0,0006 g	E2	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	10 g - 100 g	0,0002 g	0,002 g	F1	EN 45501, MDIR 34.11-01, MDIR 24.12-01	Non-automatic, class II, system VII B.	X
Mass	Weighing instruments	Mass	10 kg - 160000 kg	2 g	30 kg	M2	EN 45501, MDIR 34.11-01, MDIR 24.12-01	Non-automatic, class III & IIII, system VII A. Some automatic.	X
Mass	Weighing instruments	Mass	0,001 g - 0,01 g	0,00002 g	0,00007 g	F1	EN 45501, MDIR 34.11-01, MDIR 24.12-01	Non-automatic, class II, system VII B.	X
Mass	Weighing instruments	Mass	1 g - 10 g	0,001 g	0,007 g	M1	EN 45501, MDIR 34.11-01, MDIR 24.12-01	Non-automatic, class III & IIII, system VII A. Some automatic.	X
Mass	Weighing instruments	Mass	10 g - 100 g	0,0002 g	0,002 g	F1	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	10 g - 100 g	0,00007 g	0,0006 g	E2	EN 45501	Non-automatic, class I.	X
Mass	Weighing instruments	Mass	0,001 g - 0,01 g	0,00002 g	0,00007 g	F1	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	10 kg - 160000 kg	2 g	30 kg	M2	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	0,1 g - 1 g	0,00002 g	0,0001 g	E2	ATK BMC 5.04-206	All types, static conditions (ISO-calibration).	X
Mass	Weighing instruments	Mass	1 g - 10 g	0,0001 g	0,0009 g	F1	EN 45501, MDIR 34.11-01, MDIR 24.12-01	Non-automatic, class II, system VII B.	X