



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
Olšanská 54/3, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

CERTIFICATE OF ACCREDITATION

No. 482/2022

PG electronic s.r.o.
with registered office Růžová 5363, 430 04 Chomutov, Company Registration No. 61534404

to the Calibration Laboratory No. 2417
Calibration Laboratory

Scope of accreditation:

Calibration in the field of electrical quantities to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

The Certificate of Accreditation is valid until: 17. 10. 2025

Prague: 17. 10. 2022



Lukáš Burda
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute
Public Service Company

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

PG electronic s.r.o.
Calibration Laboratory
Růžová 5363, 430 04 Chomutov

CMC for the field of measured quantity: Electrical quantities

Ord. number i	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified ²	Calibration principle	Calibration procedure identification ³	Workplace
		min	unit	max					
1	DC voltage / DC voltage sources, multifunction testers	0 mV 100 mV 1 V 10 V 100 V 1 kV		to 100 mV 1 V 10 V 100 V 1 kV 6 kV		0.003 % + 3 μ V 0.002 % + 6 μ V 0.002 % + 40 μ V 0.003 % + 0.5 μ V 0.004 % + 8 mV 0.2 % + 70 mV	Direct measurement by a standard multimeter	KA-01	
2	AC voltage / AC voltage sources, multifunction testers	5 mV 100 mV 1 V 10 V 100 V 1 kV		to 100 mV 1 V 10 V 100 V 1 kV 5 kV	20 Hz to 1 kHz	0.05 % + 40 μ V 0.05 % + 0.3 mV 0.05 % + 3 mV 0.05 % + 30 mV 0.05 % + 0.2 V 0.3 % + 4 V	Direct measurement by a standard multimeter	KA-02	
3	DC current / DC current sources, multifunction testers	1 μ A 100 μ A 1 mA 10 mA 100 mA 400 mA 1 A 3 A		to 100 μ A 1 mA 10 mA 100 mA 400 mA 1 A 3 A 10 A		0.04 % + 0.03 μ A 0.04 % + 0.04 μ A 0.04 % + 2 μ A 0.04 % + 4 μ A 0.04 % + 20 μ A 0.04 % + 0.2 mA 0.09 % + 0.6 mA 0.2 % + 0.7 mA	Direct measurement by a standard multimeter	KA-03	



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		min	unit	max					
4	AC current / AC current sources, multifunction testers	10 A	to	30 A	20 Hz to 1 kHz	0.35 %	Measurement by a reference multimeter with a shunt	KA-04	
		10 µA	to	100 µA					
		100 µA	to	1 mA					
		1 mA	to	10 mA					
		10 mA	to	100 mA					
		100 mA	to	400 mA					
		400 mA	to	1 A					
		1 A	to	3 A					
		3 A	to	10 A					
		5	DC resistance / resistors	10 A					
30 A	to			100 A					
1 mΩ	to			50 mΩ					
50 mΩ	to			500 mΩ					
500 mΩ	to			3 Ω					
3 Ω	to			10 Ω					
10 Ω	to			100 Ω					
100 Ω	to			1 kΩ					
1 kΩ	to			10 kΩ					
10 kΩ	to			100 kΩ					
100 kΩ	to	1 MΩ							



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		min	unit	max					
		1 MΩ 10 MΩ 100 MΩ	to to to	10 MΩ 100 MΩ 1 GΩ		0.04 % + 80 kΩ 0.6 % + 7 kΩ 2 % + 80 kΩ			
6	Protective conductor resistance / multifunction testers			50 mΩ 100 mΩ 200 mΩ 300 mΩ 400 mΩ		1.2 mΩ 1.2 mΩ 1.5 mΩ 2.7 mΩ 3.5 mΩ	Direct measurement of resistance standards	KA-07	
7	Insulation resistance / insulation resistance meters, multifunction testers			0.5 MΩ 1 MΩ 5 MΩ 9 MΩ 10 MΩ 45 MΩ 50 MΩ 90 MΩ 220 MΩ 450 MΩ 900 MΩ		6 kΩ 12 kΩ 59 kΩ 110 kΩ 120 kΩ 0.53 MΩ 0.63 MΩ 1.1 MΩ 3.8 MΩ 8.4 MΩ 11 MΩ	Direct measurement of reference resistors	KA-06	
8	DC resistance / multifunction testers			1 Ω 5 Ω 10 Ω 50 Ω		55 mΩ 75 mΩ 150 mΩ 0.75 Ω	Direct measurement of reference resistors	KA-06	



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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified ²	Calibration procedure identification ³	Workplace
		min	unit	max				
				100 Ω		1.5 Ω		
				450 Ω		6.8 Ω		
				900 Ω		13.5 Ω		

1) Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

2) The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02, part of CMC, and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the value measured. If the calibration is carried out outside the laboratory premises, the measurement uncertainty may be affected.

3) If the document identifying the calibration procedure is dated, only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

