



SLOVENSKÁ NÁRODNÁ AKREDITAČNÁ SLUŽBA
Karloveská 63, 840 00 Bratislava 4, Slovenská republika

CERTIFICATE OF ACCREDITATION

No. K-063

**The Slovak National Accreditation Service based on the decision
No. 175/7543/2018/2 dated 12.09.2018 certifies that**

APPLIED PRECISION s.r.o.

Calibration laboratory

Staviteľská 1, 831 04 Bratislava

ID Number: 31 327 257

is competent to perform calibration of digital voltmeters, amperemeters, ohmmeters, wattmeters, static electricity meters, instrument voltage transformers and current transformers within accreditation scope delineated in the Annex to this Certificate. The Annex is an integral part of Certificate of Accreditation.

*The accredited body gives evidence of competence to perform the accredited activity impartially and trustworthily by meeting the requirements of the **ISO/IEC 17025: 2005** Standard.*

Accreditation granted on 12.09.2018 is valid until 21.10.2021.

Bratislava 12.09.2018




Martin Senčák
director

Accreditation scope

Name of the accredited subject: **APPLIED PRECISION s.r.o.**
Calibration laboratory
 Staviteľská 1, 831 04 Bratislava

Laboratory with a fixed accreditation scope.

Item	Type of instrument, measuring device	Measurement range	Expanded uncertainty U (k=2)	Established Methods		Other specifications
				Kind/Principle	Identification	
1.	Digital voltmeters	220mV - 1100V DC	0,0015 %	Direct measurement with multifunction calibrator	EURAMET cg-15 Version 3.0, PPK 11.01	
		1V - 50V AC 45Hz - 1kHz,	0,0036 %			
		50 - 100V AC 45Hz - 1kHz	0,0050 %			
		100 - 500V AC 45Hz - 1kHz	0,0060%			
		500 - 1000V AC 45Hz - 1kHz	0,0075%			
2.	Digital amperemeters	10mA - 2A DC	0,0030%	Direct measurement with multifunction calibrator	EURAMET cg-15 Version 3.0, PPK 11.01	
		1mA - 2A AC 45Hz - 1kHz	0.036 %			
		1mA,10mA, 100mA,1A AC 45Hz - 1kHz	0,005 %			
		1mA - 2A AC 45Hz - 1kHz	0,005 %	Indirect measurement		
		2A - 120A AC 45Hz - 1kHz	0,01 %			
		120A - 6kA AC 45Hz - 1kHz	0,1 %			
3.	Digital ohmmeters	100Ω - 100MΩ	0,002 %	Direct measurement with multifunction calibrator	EURAMET cg-15 Version 3.0, PPK 11.01	
4.	Digital wattmeters	5V - 500V, 0,001A - 120A, 45Hz - 1kHz	0,01 %	Direct comparison with standard wattmeter	PPK 11.01	Place of calibration: at AP laboratory and on-site at the customer
		Phase: 0°- 360°	50Hz: 0,0040° 60Hz: 0,0046° 1kHz: 0,088°			
		Frequency: 45Hz - 1kHz	0,000001 %			
		5V - 500V, 0,001A - 120A, 45Hz - 1kHz	0,01 %	Indirect measurement	PPK 11.01	
		5V - 500V, 120A - 6kA, 45Hz - 1kHz	0,1 %			
		5V - 500V, 0,001A - 120A DC	0,005 %			
		Phase: 0°- 360°	50Hz: 0,0040° 60Hz: 0,0046° 1kHz: 0,088°			
		Frequency: 45Hz - 100 kHz	0,000001 %			



Annex to the Decision No. 175/7543/2018/2 and to the Certificate of Accreditation No. K-063 dated 12.09.2018
The Annex is an integral part of the Certificate of Accreditation

Item	Type of instrument, measuring device	Measurement range	Expanded uncertainty U (k=2)	Established Methods		Other specifications
				Kind/Principle	Identification	
5.	Static electrometers	30V - 500V, 0,001A - 120A Fáza: 0° - 360° 45Hz - 1kHz	0,01%	Direct comparison with standard electrometer	STN EN 62052-11 STN EN 62053-21, 22 a 23, 24 STN EN 50470-1 - 3, PPK 11.01	Place of calibration: at AP laboratory and on-site at the customer
		5V - 500V, 0,001A - 120A, 45Hz - 1kHz	0,01 %	Indirect measurement	PPK 11.01	
		5V - 500V, 120A - 6kA, 45Hz - 1kHz	0,1 %			
		5V - 500V, 0,001A - 120A, DC	0,005 %			
		Phase: 0° - 360°	50Hz: 0,0040° 60Hz: 0,0046° 1kHz: 0,088°			
		Frequency: 45Hz - 100 kHz	0,000001 %			
6.1	Instrument voltage transformers	1:1 30V - 300V	0,005%	Ratio measurement method	STN EN 60044-7, PPK 11.01	Place of calibration: at AP laboratory and on-site at the customer
		Phase: 0° - 360°	50Hz: 0,0040° 60Hz: 0,0046° 1kHz: 0,088°			
6.2	Instrument current transformers	1:1-100:1, 1:1- 1:100, (Integer ratios) 1 mA - 240 A	0,005%	Ratio measurement method	STN EN 60044-8, PPK 11.01	Place of calibration: at AP laboratory and on-site at the customer
		Phase: 0° - 360°	50Hz: 0,0040° 60Hz: 0,0046° 1kHz: 0,088°			

