

CERTIFICATE OF ACCREDITATION

No. K-050

dated 26.05.2024

The Slovak National Accreditation Service issues a Certificate of Accreditation to an accredited body pursuant to Section 26 par.6 of Act No. 53/2023 Coll. on Accreditation of Conformity Assessment Bodies (hereinafter referred to as the "Accreditation Act").

Water Research Institute

Nábřežie arm. gen. L. Svobodu 4297/5, 812 49 Bratislava - mestská časť Staré Mesto
ID Number: 00 156 850

Organizational unit performing the activity of the Accredited Body:

Water meters calibration laboratory

Workplace of the Accredited Body:

Nábřežie arm. gen. L. Svobodu 4297/5, 812 49 Bratislava - mestská časť Staré Mesto

Identification number of the Accredited Body: 059/K-050**Area of accreditation: Calibration laboratory**

The calibration laboratory demonstrated its competence to perform the accredited activity fulfilling the accreditation requirements of **ISO/IEC 17025: 2017** Standard when performing calibration of flow meters for cold and hot water, flow meters as a part of temperature gauges, point velocity meters in accordance with the scope of accreditation in the Annex of this Certificate of Accreditation. The Annex shall form an integral part of the Certificate of Accreditation.

Number and date of issue of the accreditation decision: No. 059/11287/2024/1 dated 06.05.2024**Validity of the accreditation decision:**

The accreditation decision No. 059/11287/2024/1 dated 06.05.2024 is valid from 18.07.2024 to 18.07.2029.

The validity of this Accreditation Certificate expires upon the expiry of the accreditation decision, the decision on withdrawal of the accreditation pursuant to Section 31 or the expiry of the accreditation pursuant to Section 32 of the Accreditation Act.



Štefan Král
director

Scope of Accreditation

Accredited body: Water Research Institute
Nábřežie arm. gen. L. Svobodu 4297/5, 812 49 Bratislava - mestská časť Staré Mesto

Organizational unit performing the activity of the accredited body:
Water meters calibration laboratory

Place of performance of the accredited body:
Nábřežie arm. gen. L. Svobodu 4297/5, 812 49 Bratislava - mestská časť Staré Mesto

Identification number of the accredited body: 059/K-050

Laboratory with fixed scope

Item	Measuring device	Measured quantity	Range	Expanded uncertainty $U (k=2)$	Established methods		Other specifications
					Methods	Designation	
1	Water meter for a) cold water b) hot water 4)	Flow rate	15 – 1800 m ³ .h ⁻¹	0,25 %*)	Volumetric method with reference volumetric tank with flying start	Work procedure KLOP (STN 25 7820)	Measured medium cold water Notes 1) 2)
			15 – 1800 m ³ .h ⁻¹	0,30 %*)	Volumetric method with reference flow meter with flying start		
1.1	Temperature gauge and components thereof c) flowmeter 5)	Flow rate	15 – 1800 m ³ .h ⁻¹	0,25 %*)	Volumetric method with reference volumetric tank with flying start	Work procedure KLOP (STN 25 7820)	Measured medium cold water Notes 1) 3)
			15 – 1800 m ³ .h ⁻¹	0,30 %*)	Volumetric method with reference flow meter with flying start		
2	Point velocity meter	Velocity	0,03 – 0,10 m.s ⁻¹	2,0 %*)	Distance / time	Work procedure KLVV (STN ISO 3455)	Measured medium cold water (propeller flowmeters, electromagnetic and ultrasonic devices)
			0,10 – 0,20 m.s ⁻¹	1,0 %*)			
			0,20 – 4,50 m.s ⁻¹	0,7 %*)			

NOTES:

*) Uncertainty given as a percentage of the measured value.

1) For the purposes of authorization according to § 31 of Act no. 157/2018 Coll. on metrology and on amendments to certain laws as amended by Act no. 198/2020 Z. z..

2) For the purposes of verifying water meters according to Annex no. 10 water meters, to the Slovak Office of Standards, Metrology and Testing decree no. 161/2019 Coll. on measuring instruments and metrological inspection.

3) For the purposes of verification of flow meters according to Annex no. 47 flowmeters as part of heat meters, to the decree of Slovak Office of Standards, Metrology and Testing no. 161/2019 Coll. on measuring instruments and metrological inspection.

4) Item no. 1.3.2 a), b) from Annex no. 1 to decree no. 161/2019 Coll on measuring instruments and metrological inspection.

5) Item no. 3.5 b) from Annex no. 1 to decree no. 161/2019 Coll. on measuring instruments and metrological inspection.

Explanations: KLOP - Calibration laboratory of volume and flow, KLVV - Calibration laboratory of propeller flowmeters

