

Annex to Decision No 515/8525/2020/2 and to the Certificate of Accreditation no. K-031 of 11.08.2020.

Scope of Accreditation

Name of the accredited body: **Bratislavská metrologická spoločnosť s.r.o.**
Metrology laboratory

	Kind of measuring device	measuring range	Expanded uncertainty U (k=2)	Method
1	Water meters and water meters as elements of heat meters DN 2 až DN 250	Q = (0,002 až 6,5) m ³ ·h ⁻¹	0,23% pri (0,002 až 3) m ³ ·h ⁻¹ 0,22 % pri (1 až 6,3) m ³ ·h ⁻¹ from the measured value	Mass or volumetric method with fixed or flying start
		Q = (0,050 až 250) m ³ ·h ⁻¹	0,31% pri (0,05 až 0,2) m ³ ·h ⁻¹ 0,21% pri (0,2 až 250) m ³ ·h ⁻¹ from the measured value	
		Q = (0,002 až 6,5) m ³ ·h ⁻¹	0,23% pri (0,002 až 3) m ³ ·h ⁻¹ 0,22% pri (1 až 6,3) m ³ ·h ⁻¹ from the measured value	
		Q = (0,050 až 250) m ³ ·h ⁻¹	0,31% pri (0,05 až 0,2) m ³ ·h ⁻¹ 0,21% pri (0,2 až 250) m ³ ·h ⁻¹ from the measured value	
	Electronic flow meters	Q = (0,002 až 250) m ³ ·h ⁻¹	0,1% from the measured value	
2	Platinum resistance thermometers for heat meters	(0 až 200) °C	0,05 °C	Direct comparison with a resistance temperature sensor
	Platinum resistance thermometers	(-20 až 50) °C (50 až 200) °C	0,05 °C	
	Indicating thermometers /direct pointing thermometers	(-20 až 300) °C	0,5 °C	
3	Electronic calorimetric counters for heat meters and Compact heat meters	tp = (0 až 800) °C tk = (0 až 200) °C	0,15% from the measured value	Method of temperature, pressure and flow input simulation
		Δt = (1 až 300) °C	0,32% pri δ t _{min} 0,32% pri δt ₁₀ 0,15% pri δt ₂₀ 0,15% pri δt _{max} from the measured value	Method of temperature and flow input simulation

	Kind of measuring device	measuring range	Expanded uncertainty U (k=2)	Method
			0,99% pri $\delta_t < 10^\circ\text{C}$ 0,68% pri $10^\circ\text{C} \leq \delta_t < 20^\circ\text{C}$ 0,35% pri $\delta_t \geq 20^\circ\text{C}$ from the measured value	Method of direct comparison with resistance temperature sensors and flow simulation or mass or volume method with fixed or flying start
		$\Delta\theta =$ (1 až 300) $^\circ\text{C}$	0,3% pri $\Delta\theta_{\min}$ 0,2% pri $10^\circ\text{C} \leq \Delta\theta \leq 20^\circ\text{C}$ 0,14% pri θ_{\max} from the measured value	Method of temperature and flow input simulation
			0,99% pri $\Delta\theta_{\min}$ 0,75% pri $10^\circ\text{C} \leq \Delta\theta \leq 20^\circ\text{C}$ 0,65% pri θ_{\max} from the measured value	Method of direct comparison with resistance temperature sensors and flow simulation or mass or volume method with fixed or flying start
4	Pressure transducers as elements of heat meters Pressure transducers, pressure gauges	(0,1 až 6) MPa	0,08% from the measured value	Direct comparison with a piston pressure gauge