

Calibration Certificate No:

342/24

Meter:	Electromagnetic flowmeter
Manufacturer:	Arkon Flow Systems, s.r.o.
Type:	MAGX2 OIML IP68 - T5CMW – A1.1/4HR150HA
Serial number:	24202643

The meter was tested by a comparison with the main standard - electromechanical weight Mettler Toledo typ ID 1s. The main standard was calibrated at CMI Brno (Protocol No. 6051-KL-H0038-24, date of calibration 2024-03-01, 6051-KL-H0037-24, date of calibration 2024-03-01). The measurements are traceable to international standards.

Test Conditions:

Pulse output adjusted for calibration:	1000 Hz/Qmax
Meter positioning:	horizontal
Test medium:	clear water
Ambient temperature:	$(24,2 \pm 2,0)^{\circ}\text{C}$
Water temperature in test:	$(25,0 \pm 0,5)^{\circ}\text{C}$

Results of the test:

The measured values were computer-processed into the following table:

Flow [m3/hr]	Error [%]	U [%]
0,250	-1,73	0,30
0,400	-0,98	0,25
25,000	0,00	0,20

The reported uncertainty of measurement U is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with EAL publication EA-4/02.

Calibration date: 29.07.2024

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Signature

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