



i_Flux

Single-jet water meter with radio transmission

i_Flux water meter

i_Flux is an electronic residential single-jet water meter equipped with a radio module, which allows to read data remotely.

Safety is emphasized

The i_Flux water meter is equipped with internal systems detecting and registering reverse flow, maximum flow, external magnetic field manipulation attempt and physical tampering attempts.

In case of any such event, the system generates logs in the appropriate error registers, which are then transmitted via radio directly to the administrator system.

Wireless M-Bus/OMS

The communication is based on the Open Metering System Standard (OMS). This standard is the only system definition in Europe which incorporates all media systems (water, heat, electricity, gas). OMS was developed by the industry to guarantee a future-proof communication standard and interoperability between all products on the market.

OMS products are offered by numerous manufacturers and can be combined easily.

Benefits

- Remote reading of systems without the necessity to enter individual flats
- Elimination of human errors taking place during manual reading
- Internal memory storing up to 18 historical monthly readings
- Fully reliable data reading
- Leakage monitoring
- Easy to integrate with existing AMR solutions



*Radio data
transmission*



*Encrypted data
transmission*



*Active anti-magnetic
protection*



*Wireless M-Bus
compatibility*



*OMS standard
supported*



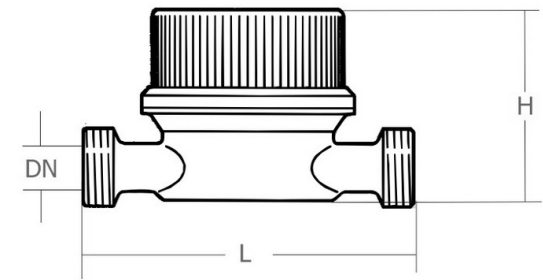
Technical data

Power supply	3.6 volt lithium battery
Protection	Active anti-magnetic protection, Electronic detection of unauthorized manipulation
Communication protocol	RCom – bidirectional encrypted communication (walk-by) Wireless M-Bus (OMS) T1 mode (AMR)
Device memory	Reading values from the last 18 months (RCom – walk-by)
Calendar function	Adjustable reading day
Frequency	868,95 MHz
Radiated power (max.)	12 mW
Antenna	Internal antenna
Verification	MID EC-Type examination certificate

Technical parameters are subject to change

Basic parameters

Diameter	Length	Mounting position Horizontal R=80H				Mounting position Vertical R=50V				Temp.	Work pressure max.	Pressure loss at Q ₃
		Q ₁	Q ₂	Q ₃	Q ₄	Q ₁	Q ₂	Q ₃	Q ₄	t	P	ΔP
mm	mm	l/h	l/h	m ³ /h	m ³ /h	l/h	l/h	m ³ /h	m ³ /h	°C	bar	kPa
15	110	20	32	1,6	2,0	32	51	1,6	2,0	30/90	16	25
15	110	31	50	2,5	3,1	50	80	2,5	3,1			
20	130	50	80	4,0	5,0	80	128	4,0	5,0			



• for DN15 and DN20 height H = 63 mm