



ARROW for
MVM, MVM PLUS C



ARROW for
WMAP EVO

Clip-on radio module for **MVM** and **MVM PLUS C** positive displacement and **WMAP EVO** Woltmann type water meters

- Built-in static inductive sensor
- Designed for data transmission to remote wireless M-Bus systems (868 MHz)
- Data transmission: mode T1 (EN 13757)
- Manages: pulse input, flow direction and alarms (removal, tampering, leak)
- Insensitive to mechanical vibrations and magnetic fields
- Configuration via radio over the ARROW Collect software with bidirectional communication
- Data can be collected over the ARROW Collect transceiver with the ARROW Mobile or ARROW Fixed software (for mobile or fixed reading)

TECHNICAL SPECIFICATIONS

Type	Radio module with built-in inductive sensor	
Radio	868 MHz FSK (EN 13757), mode T1	
Communication protocol	Wireless M-Bus (EN 13757)	
Power supply	3 V lithium battery	
Battery service life	12 years (average service life under standard conditions, not guaranteed)	
Average battery service life	Temperature	Percentage of service life
	-10 °C ÷ 0 °C	10%
	0 °C ÷ +30 °C	80%
	+30 °C ÷ +55 °C	10%
Maximum pulse frequency	10 Hz	
Reference standard	EN 13757	
Configuration interface	Via radio, in the vicinity	
Transmission distance	From 20 m (manhole) to 500 m (open air)	
Approvals	CE	
Operating temperature	-10 °C ÷ +55 °C	
Storage temperature	-20 °C ÷ +70 °C	
Environmental class	C	
Electromagnetic class	E2	
Protection rating	IP68	
Installation	Direct mounting on the meter	
Pulse output	MVM-MVM PLUS C DN 15-DN 32: 1 pulse/litre DN 40: 1 pulse/10 litres	WMAP EVO DN 50-DN 125: 1 pulse/10 litres DN150-DN 200: 1 pulse/100 litres

For complete instructions on installation, please refer to the installation guide. For complete instructions on configuration, please refer to the software user manual.