

M-Bus Smart+

Compact wired m-bus module for the apator powogaz water meters



M-Bus

M-Bus Smart+ is a quick, simple and reliable way of collecting data and detecting abnormalities in the behaviour of the water meter.

Universal M-Bus module fully compatible with Smart+ and Smart C+ family water meters from APATOR Powogaz.

Designed for remote data reading and collection, the operation of the module is based on the principles of light reflection, which means that it is not subject to magnetic field disturbances. The internal sensor calculates volume, detects flow directions and manages alarms like: backflow, leak, low battery, optical sensor error, magnetic field tamper and module removal. All alarms have a factory-set alarm threshold than can be customized to the individual needs of the user.

Type of available data:

- Current meter volume
- Reversed volume
- Last month history
- Date and time on the module
- Current flow rate

Easy to install and configure - mounted directly on the water meter. The M-Bus module can be configured using a free or free or commercial hardware and software tools e.g. RELAY MBCONF software and M-Bus Mikro-Master.

M-Bus Smart+ complies with European EN1434-3 standards. It is fully compatible with devices and systems operating in accordance with the M-bus protocol.

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- Optical sensor - impervious to magnetic tampering
- Bidirectional M-Bus communication for reading and reconfiguration
- Expanded monitoring and alarm reporting capabilities
- Compatible with Smart+ and Smart C+ single jet water meters series
(flow rate: from 1.6m³/h up to 4m³/h)
- Drive-by and fixed network remote data reading
- Compact size, direct mount

Technical Features	
M-Bus protocols	EN1434-3
Alarms	Backflow, leak, low battery, optical sensor error, magnetic field tamper and module removal
Configuration	M-Bus tools (e.g. RELAY MBCONF software and M-Bus Mikro-Master)
Sensor technology	Optical, bidirectional, fraud proof
Measure Sensibility	1 liter
Power Supply	Lithium battery 3.6V
Battery life	5 years
Size (Diameter/Height)	66 mm / 34 mm
Weight	57 g
Cable length	1.5 m
Protection class	IP65
Storage Temperature	from -20°C to +65°C
Working Temperature	from 0°C to +55°C