

Holosys Wireless M-Bus OMS HydroPulsar HP



- Wireless M-Bus in accordance with EN 13757-4
- OMS v4.x.x compatible
- Operating frequency 868 MHz
- Direct-mount on Sensus water meters
- Inductive sensor for meter reading
- Meter readout on due date

Holosys Wireless M-Bus OMS HydroPulsar HP is a compact radio module for direct-mount on Sensus mechanical water meters. Built-in inductive sensor ensures accurate meter readings and compact design makes installation and maintenance easy. Wireless M-Bus OMS standard ensures compatibility with a wide range of meter reading equipment.

KEY FEATURES

- Compact design: direct mounting on Sensus water meters
- Inductive sensor for meter reading
- Battery lifetime: Up to 10 years
- Range: Up to 800 meters
- Protection type: IP68
- Operating temperature: -20°C ... 80°C
- Wireless M-Bus OMS radio packets periodical sending for meter readout data transfer
- Radio telegrams adjustable sending interval
- Radio telegram AES-128 encryption in order to protect data content
- Configurable AES-128 password
- Pseudorandom radio telegrams sending in order to avoid synchronous collisions
- Battery powered radio repeater synchronization
- Embedded Real-Time Clock (RTC)
- Stored counter number on a due date sending
- Stored manipulation alarm information (Tamper) sending
- Low battery alarm sending
- Remaining battery life time sending
- Revers flow alarm sending
- Adjusted flow information depending on flow direction sending
- User configurable counting impulses vs. value increment factor
- Device configuration using the AES-128-protected radio channel

TECHNICAL CHARACTERISTICS

Supported water meter types	
Water meters	Sensus 420, Sensus 420PC, Sensus 405S, Sensus 620, Sensus 620C, Sensus 120, Sensus 120C, Sensus 820
Radio interface	
Frequency	868 MHz SRD band
Antenna type	Internal
Data transmission rate	100 Kchips
Standard	EN 13757-4
General data	
Power supply	Integrated battery Battery life time (25°C): ~ 10 years (depending on the configuration)
Housing	Material: Thermoplastic Dimensions (w x h x l): 58 x 44 x 69 mm Color: Light gray Protection type: IP68 Mounting: Bolts on the water meter
Operating temperature range	-20°C ...+80°C
Weight	~ 110 g