

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 pulse pick up

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 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 pulse pick up
- 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
- Sending radio telegram can be configured
- Radio telegram AES-128 encryption in order to protect data content
- Configurable AES-128 password
- Pseudorandom radio telegrams sending in order to avoid synchronous collision
- 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 lifetime sending
- Reverse 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

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technical characteristics

| 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 | 868.95 MHz SRD band |
| Antenna type | Internal |
| Data transmission rate | 100 Kchips |
| Standard | EN 13757-4 |
| General data | |
| Power supply | Integrated battery Battery lifetime (25 °C): ~10 years (depending on 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 |
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