

Holosys Wireless M-Bus OMS PulseReader WPx



- Wireless M-Bus in accordance with EN 13757-4
- OMS v4.x.x compatible
- Operating frequency 868 MHz
- Two independent meters readout (Wireless PulseReader WP2)
- Due date meter reading feature
- Two-tariff system operation mode (Wireless PulseReader WP2)

Holosys Wireless M-Bus OMS PulseReader WP is a radio module used for radio meter consumption reading for one or two utility devices (water, gas, electrical energy, heating etc.). The module is capable of reading meters equipped with pulse outputs. The P2 module type reads up to two independent meters. The Wireless M-Bus communication protocol including OMS standard ensures compatibility with a wide range of metering equipment.

KEY FEATURES

- Battery life time: up to 15 years
- Range: up to 800 m
- Protection type: IP68
- Operating temperature: -20°C ... 80°C
- Wireless M-Bus OMS radio packets periodical sending for meter readout data transfer
- Adjustable radio packet sending interval
- AES-128 radio telegrams encryption to protect the data content
- Configurable AES-128 password
- Pseudorandom radio packets sending in order to avoid synchronous collisions
- Battery radio repeater synchronization feature
- Embedded Real-Time Clock (RTC)
- Stored counter number on a due date sending
- Stored manipulation alarm information (Tamper) sending
- Stored battery low alarm information sending
- Remaining battery life time sending
- User configurable parameters for the meter serial number, measurement unit and meter type
- User configurable counting impulses vs. value increment factor
- Device configuration using AES-128 protected radio channel

TECHNICAL CHARACTERISTICS

Pulse input data	
Min. pulse duration (closed contact)	2 ms
Min. pause between pulses (open contact)	20 ms
Max. pulse frequency	45 Hz
Max. pulse frequency with 50% duty cycle	25 Hz
Contact voltage	2.5V...3.6V
Contact current	4 μ A
Contact resistance	1 M Ω
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): ~ 15 years (depending on the configuration)
Housing	Material: Thermoplastic Dimensions (w x h x l): 77 x 77 x 35 mm Color: Light gray Protection type: IP68 Mounting: Bolts on the mountable surface Connecting cables length: ~ 1.5 m
Operating temperature range	-20°C ...+80°C
Weight	~ 230 g for P1, ~ 270 g for P2 (IP68)