

Holosys Wireless M-Bus GasPulsar



Holosys Wireless M-Bus **GasPulsar** is a compact radio module used for collecting consumption readouts from Itron (G4-G25) and Elster (G4-G25) gas meters. Compact design with embedded “reed” sensor decreases number of necessary components which guarantees easier mounting and maintenance. Open Wireless M-Bus standard provides compatibility with devices from other manufacturers as well.



Wireless M-Bus in accordance with EN 13757- 4



Operating Frequency 868 MHz



Direct mount on gas meter



Exchangeable battery

- Compact design: snap-in mount on Itron and Elster gas meters
- Possibility to change AES128 passwords
- Battery lifetime: up to 15 years (depending on the configuration)
- Pseudorandom radio packet transmission to avoid synchronous collision
- Operating temperature: -20°C .. 80°C
- Configuration using AES128 protected radio channel
- Radio range: up to 800 meters
- SENDING: stored counter values at a specific time (Due Date function), manipulation alarm information (Tamper), low battery alarm, remaining battery lifetime
- Possible synchronization with battery-powered radio repeater
- Setting the serial number, MBus Unit and Medium values for each counter
- AES128 encryption of radio telegrams to protect the message content
- For each counter it is possible to set the multiplier which determines the number of pulses that need to be counted
- CBC-MAC (Cipher Block Chaining Message Authentication Code) for message authentication
- Each AES128-protected radio telegram sends a timestamp in order to detect any abuse attempts
- Protection type: IP67
- Embedded Real time clock



TECHNICAL CHARACTERISTICS

Supported gas meters	
Gas meters	Itron (G4-G25) Elster (G4-G25)
Radio interface	
Frequency	868.95 MHz
Antenna type	Internal
Data transmission rate	100 Kchips
Norm	EN 13757-4
General data	
Power supply	Integrated battery Battery lifetime (25 °C): ~15 years, depending on configuration
Housing	Material: thermoplastic Dimensions (w x h x l): 72 x 92 x 42 mm Color: light gray Protection class: IP67 Mounting: snap-in
Operating temperature range	-20°C .. +80°C
Weight	~80g