

Holosys Wireless M-Bus OMS Environment Sensor WES



- Wireless M-Bus in accordance with EN 13757-4
- OMS v4.x.x. compatible
- 868 MHz operating frequency
- Temperature, Humidity, Air Pressure monitoring
- Exchangeable AA batteries, min. 5 years lifetime
- Can be used with Holosys WREP and WR for integration into Energy Management Information Systems

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is a radio module that allows temperature, humidity and environment air pressure wireless monitoring. The data is transferred by Wireless M-Bus OMS radio telegram according to OMS specification. Wireless M-Bus OMS standard ensures compatibility with the equipment from different manufacturers. Compact design, with embedded sensors, ensures easy mounting and maintenance.

KEY FEATURES

- Compact design, all-in-one package (without external parts)
- Integrated temperature sensor ($\pm 0.5^{\circ}\text{C}$ accuracy ($5^{\circ}\text{C} \dots 50^{\circ}\text{C}$ temperature range))
- Integrated humidity sensor ($\pm 3.0\%$ relative humidity accuracy (20 ... 80 % RH @ 25°C))
- Integrated pressure sensor (± 2.5 hPa accuracy (10 hPa ... 1200 hPa))
- Implemented International Standard Atmosphere Model
- Operating frequency 868 MHz
- Protection type: IP20
- Operating temperature: $-20^{\circ}\text{C} \dots 80^{\circ}\text{C}$
- Long lasting battery operation (up to 10 years, depending on the configuration)
- Easily replaceable batteries (2 x AA)
- Wireless M-Bus OMS radio telegrams periodical data sending with additional information depending on the configuration
- Radio telegram AES-128 encryption in order to protect data content
- Configurable AES-128 password
- Battery powered radio repeater synchronization
- Adjustable radio telegrams sending interval
- Embedded Real-Time Clock (RTC)
- Low battery alarm sending
- Remaining battery life time sending
- Device configuration using the AES-128-protected radio channel