holosys

Holosys Wireless M-Bus Environment Sensor WES-THP

Holosys Wireless M-Bus Environment Sensor **WES-THP** is a radio module that enables wireless monitoring of temperature, humidity and air pressure of the environment. The data is transferred as a radio telegram while the Wireless M-Bus standard ensures compatibility with a wide range of sensoring equipment. Compact design with embedded sensors enables easy mounting and maintenance.

Wireless M-Bus in accordance with EN 13757- 4
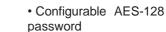
Operating Frequency 868 MHz

Monitoring temperature, humidity and air pressure

Exchangeable AA batteries

KEY FEATURES

• Compact design - one enclosure (without external parts)

• Protection type: IP20

• Operating temperature: -20°C ... 80°C

• Easily replaceable batteries (2 x AA)

• Implemented International Standard Atmosphere Model

• Long battery life (up to 10 years, depending on the configuration)

• Can be used with Holosys WREP and WR for integration with Energy Management Information Systems

• 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

• INFO: low battery alarm, remaining battery life time

• Configuration using AES128 protected radio channel

• Embedded Real time clock

holosys

TECHNICAL CHARACTERISTICS

Sensors	
Integrated temperature sensor	±0.5°C accuracy (5°C ... 50 °C temperature range)
Integrated humidity sensor	±3.0 % relative humidity accuracy (20-80 % RH @ 25°C)
Integrated pressure sensor	±2.5 hPa accuracy (10 hPa - 1200 hPa)
General data	
Power supply	2x AA battery Battery lifetime : ~10 years, depending on the configuration
Housing	Material: thermoplastic Dimensions (w x h x l): 80 x 80 x 25 mm Color: light gray Protection type: IP20 Mounting: with bolts on the basis
Operating temperature range	-20°C ... +80°C
Weight	~100 g