AMR - TEMP
Wireless M-Bus

Highlights

- Radio transmissions of temperature readings
- Very simple and quick to install
- Internal and external temperature sensor
- Range of up to 600 m (T1 mode)
- Battery life of up to 12 years
- IP53 standards

The Adeunis RF Wireless M-Bus TEMP transmitter is a ready-to-use system allowing you to capture temperature measurements and transmit them by radio using the Wireless M-Bus protocol.

This transmitter incorporates an internal temperature sensor and can also be fitted with an external sensor which allows it to transmit both internal and external temperatures.

The CTN type internal sensor can measure temperatures ranging from 0°C to 40°C in steps of 0.5°C.

The Lithium battery power supply provides battery life of up to 12 years guaranteed in T1 mode with a periodicity of 10s.

Performances W-MBus T1

RF power: 14 dBm (25 mW)
RF sensitivity: up to -110 dBm
Range: up to 600 m in free-field conditions

Firmware

Transmission intervals: 10 sec, 10 min. or 12 hours
Index buffering (log of temperatures measured: 3 years)
Log transmitted every 12 hours

Warnings

End of battery life
On delta of temperatures (optional)

Consumption & needs

Voltage: 3.6 V nominal
Power supply: via Li-SOCl2 battery
Battery life: up to 12 years guaranteed

General information

Operating temperature: -40°C / +85°C
Dimensions: 145 x 100 x 40 mm
Case: IP53
Standards: EN 300-220, EN 301-489, EN 60950, EN 13757-4:2005

References

- **ARF7904AA** Wireless M-Bus transmitter TEMP
- **ARF7906AA** Wireless M-Bus transmitter TEMP + external CTN