

AMR - Transmitter Wireless M-Bus

Highlights

- Radio transmissions of meter data
- Gas & Water meters
- Installation is extremely simple and fast
- Range up to 600m
- Up to 12 years of autonomy on battery
- IP65 enclosure



The **Wireless M-Bus transmitter AMR** (Automatic Meter Reading) from Adeunis RF is a ready-to-use system, allowing to **transmit data (index) from water & gas meters**.

The connection to the meters is **simple** via a system compatible to pulse interfaces. The configuration is **intuitive** through mechanical switches.

Two meters can be supported by a single Wireless M-Bus transmitter AMR, allowing a **significant reduction of costs of implementation and deployment**.

The Wireless M-Bus transmitter AMR is compatible with Water & Gas meters such as Itron, Elster, Sappel...

Power through Lithium battery allows autonomies guaranteed up to **12 years in T1 mode with a period of 10s**.

This version **embeds an application** to adjust the data transmission cycle, manages a history of consumption, to inform about alert on frauds.

The combination of products in the **Adeunis RF AMR range** allows you to **create an independent ecosystem** to ensure the emission, transport and collection of consumption indexes using Wireless M-Bus protocol.

Our **Wireless M-Bus** solution provides a full compatibility with EN 13757-4: 2005 standard.

Performances

RF power: 14dBm (25mW)
RF sensitivity: up to -117dBm
Range: up to 600m

Firmware

Wireless M-Bus modes: T1 (R1/S1 on demand)
Transmission cycles: 10sec, 10mn or 12h
History of consumptions (3 years)

Warnings

Frauds detection
Battery end of life

Consumption & needs

Operating voltage: 3.6V nominal
Power supply: through Li-SOCI2 battery
Lifespan: up to 12 years guaranteed

Compatibility

Sappel Izar, Itron Cyble, Itron Gallus 2000, Elster BK...

General information

Operating temperature: -40°C / +85°C
Dimensions: 145 x 100 x 40 mm
Housing: IP65
Standards: EN 300-220, EN 301-489, EN 60950, EN 13757-4:2005

References

- **ARF7904xx** Wireless M-Bus Transmitter (Gas)
- **ARF7906xx** Wireless M-Bus Transmitter (Water)

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