

ADR-Aqua

The ADR-Aqua is an application ready Sigfox enabled transceiver allowing to transmit data from pulse enabled water meters (Elster, Precision, Sensus, and various other meter manufacturers compliance). The ADR-Aqua provides a connection to the national and global network infrastructure for reliable and secure communications.

The configuration of the transceiver can be done via the product or network allowing the choice of periodicity, sync, burst alerting, deployment, and tamper. Powered through a Li-SOCL2 battery, it allows standard autonomy up to 10 years.



Highlights

- Meter data through Sigfox compliant radio networks
- Wide Meter Compatibility Support
- Easy clip-on deployment
- Integrated Electronic Reed Switch
- Long range connectivity
- Low Cost Low power design with up to 10-year autonomy

Performances

- RF power: 14dBm (25mW)
- RF sensitivity: up to - 127dBm

Warnings

- Battery end of life
- Tamper Detection

Firmware

SIGFOX network protocol

Transmission cycles: 2, 50, 100 or 140 frames per day

Data encryption: AES128 (Optional)

Software and Data Management

Device data transmitted via the Sigfox cloud infrastructure to the backend server platform for processing and reporting is provided as a standard. A custom platform with built-in device support can be provided or easily integrate the device into your own platform.

Compatibility

Pulse enabled water Meters (Reed Switch)

General Information

Operating temperature: -20 °C / +65 °C

Mounting Options: Simple meter clip-on secured with a screw and Tamper Tie

Dimensions: 93 x 24 x 50 mm

Weight: 100 grams

Housing: IP68

Antennas: All Integrated (Internal)

GPS LNA: On-board

Standards: EN300-220, EN 301-489, EN 60950, ICASA; CE

Support: The device is available for RC1 (Europe, Middle East & South Africa) other zones are being certified