

LoRaWAN Pulse Transceiver

Highlights

- Radio transmission of meter data through LoRaWAN compliant networks
- Water, gaz, electricity & heat meters
- Up to two meters per transmitter
- Range up to 10km
- Up to 10 years of autonomy
- IP67 enclosure



The **LoRaWAN Pulse** from Adeunis RF is a ready-to-use **radio transceiver** allowing to **transmit data from water, gas, electricity & heat meters**.

The **LoRaWAN Pulse** provides connection to any operated network using the LoRaWAN protocol.

Two meters can be supported by a single **LoRaWAN Pulse** transmitter allowing a significant **reduction of costs** of implementation and deployment.

The configuration of the transmitter can be done **via the network** allowing the choice of **periodicity, pulse weight** or **data encryption**.

Powered through a Lithium battery, it allows an autonomy guaranteed up to **10 years**.

Performances

RF power: 14dBm (25mW)
RF sensitivity: up to -140dBm
Range: up to 10km

Firmware

LoRaWAN V1 network protocol
Transmission cycles: 10mn, 1h, 12h or defined by network
History of data
Data encryption: AES128

Warnings

Battery end of life

Consumption & needs

Operating voltage: 3.6V nominal
Power supply: through Li-SOCI2 battery
Lifespan: up to 10 years

Compatibility

Water, Gas, Electricity and Heat meters

General information

Operating temperature: -20°C / +75°C
Integrated fixation systems: DIN-Rail, tube, wall, necklace
Dimensions: 105 x 50 x 27 mm
Weight: 80gr
Housing: IP67 (IP68 on demand)
Standards: EN 300-220, EN 301-489, EN 60950

References

- **ARF8046PA** LoRaWAN PULSE

ADEUNIS RF

283 rue Louis Néel - Parc Technologique Pré Roux
38920 CROLLES - France
Tel.: +33 (0)4 76 92 07 77 - Fax: +33 (0)4 76 04 80 87
www.adeunis-rf.com - arf@adeunis-rf.com