

OY1410 LoRaWAN Pulse meter

Product datasheet

LoRaWAN unit designed to function in combination with B Meters' pulse meters. Automatic pulse meter reading of various water meters. LoRaWAN unit can be placed separately from water meter, making it excellent for water meters installed in harsh environments.

Pulse meter

Compatible with B Meters' IWM PL-3 and IWM PL-4 meters

Data transmission frequency Programmable

Connectivity

Network LoRaWAN

Frequency bands 868 MHz

Provisioning Over the air & personalization

Security

Algorithms AES-128

Hardware Cryptographic co-processor

Features Secure boot

Secure firmware upgrade

Hardware based ultra-secure key storage

Environmental data, quality and reliability

Operating temperature -20°C to +55°C

Humidity 0-100%



Battery life

Battery life length 10 years (dependent on application)

Primary cell Lithium-Manganese 3V

Size & capacity 2x CR123A 1.7 Ah

Size & Weight

Size 120 x 65 x 43 mm

Weight 180 g

Certifications

RoHS compliant

CE

LoRaWAN

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Specifications compatible pulse meters

IWM PL-3

Manufacturer	B Meters
Model	Static pulse emitter module
Compatible water meters	B Meters' multi jet meters

Functionality

Consumption analysis	Incremental and decremental counting Reverse flow compensation supported
Fraud detection	Active
Dedicated dosing function	Available upon request
Configuration	Through free smartphone app via NFC (Android only)

Connection

Cable	1,5m long, can be extended
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Enclosure

IP68

IWM PL-4

Manufacturer	B Meters
Model	Static pulse emitter module
Compatible water meters	WDE-K50 Woltmann water meters

Functionality

Consumption analysis	Incremental and decremental counting Reverse flow compensation supported
Fraud detection	Active
Dedicated dosing function	Available upon request
Configuration	Through free smartphone app via NFC (Android only)

Connection

Cable	1,5m long, can be extended
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