

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	
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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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