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LoRaWAN™ PULSE SENS'O

PULSE SENS'O is a LoRaWAN™ sensor radio transmitting data from any pulse meters: water, gas, electricity, energy.

It is a long range, low power consumption, high performance and high quality wireless up or down pulse sensor transmitting data from water, gas, electricity & energy meters.

PULSE SENS'O operates with any commercial meter products and provides connection to any wireless network using the LoRaWAN™ protocol.

PULSE SENS'O is available in 4 versions:

- Outdoor (IP55)
- Outdoor (IP55) – AteX Zone II compliant
- Waterproof (IP68)
- Waterproof (IP68) – AteX Zone II compliant



Powered through a lithium battery, it allows an autonomy up to 12 years when transmitting data one time per day.

Technical Characteristics

- Easy to install and to use
- 3 pulse inputs
- Differential data compression
- IP55, IP68

LoRaWAN™ PULSE SENS'O	
RF TRANSCEIVER	Frequency (MHz): EU: 863-870 US: 902-928 (On demand) Transmit Power (dBm): +14 Receiver Sensitivity (dBm): -140
FIRMWARE	Protocol: LoRaWAN, Class A Transmission cycles: 10mn, 1h, 12h or defined by network Data history: available Activation method: Activation by Personalization (ABP) Over-The-Air Activation (OTAA) Data encryption: AES128
SENSOR INPUT	Number of inputs: 3 Impedance (MΩ): >1 Capacitance (nF): 1; typical Voltage (V): 0 - 30 Current (μA): 3.5 Frequency (Hz): 1 - 100
POWER	Power supply: 3,6V / 3600mAh 3,6V lithium battery - ATEX certified (option) Autonomy within a +10°C to +25°C temperature range: 12 years for 1 measurement & 1 transmission per day
INTERFACE	LED Indicator: 3 LEDs for Configuration, Network pairing & Activity on inputs Magnetic Switch: Reset, ON/OFF Cable connection: IP55: cable connected inside the box. IP68: 1,5m cable length – The free end of the cable must be connected in an area that is protected from moisture
MECHANICAL FEATURES	Dimension (mm): 84x82x85 IP Class: IP55 or IP68 available
ENVIRONMENTAL	Operating temperature (°C): -20 / +50 Storage temperature (°C): 0 / +30
DIRECTIVES & STANDARD	EN, 61000-4-2 EN 300-220-1 V2-4-1, EN 301 489 V1-6-1 CE and RoHS recommendation compliant

For more information and advice about our solutions, please contact us or visit our web site, we are at your service!

