



MiDoMet LoRa Pulse is an innovative radio module, for remote reading of water, gas, light and heat meters. Interoperable with any LoRaWAN network, the long-range and low-power network (LPWAN) that allows the economic and simple development of Internet of Things applications.

## FEATURES

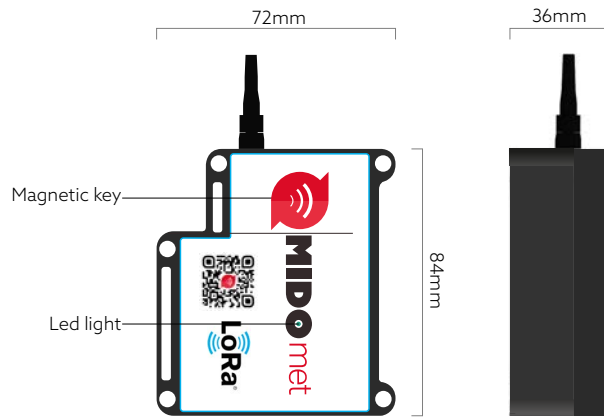
- Up to 2 digital inputs for meters or sensors
- Wireless LoRa / LoRaWan
- Distance up to 10,000mt
- Radio module 433/868/916 Mhz (according to requirements)
- Resistant to hostile environments with IP68 protection
- Self-powered (up to 10 years of autonomy)
- Dimensions: 77mm x 70mm x 33mm



## USE CASES



## INTERFACE AND DIMENSIONS



### INPUT

<b>Input Type</b>	2 Digital input
<b>Application</b>	on any relè /reed/hall effect sensor
<b>Retrofitting (On existing systems)</b>	Any LoRaWAN Network

### ANALYSIS

<b>Processing Unit</b>	Arm® Cortex®-M4 32-bit
<b>Storage Unit</b>	Flash memory up to 256 Kbyte, 64 Kbyte of SRAM

### POWER SUPPLY

<b>Supply</b>	Li-SOCL2 3,6V
<b>Battery life</b>	up to 10 years (1 transmission/hh)

### DATA TRANSMISSION

<b>Transmission module</b>	Semtech SX1276
<b>Antenna</b>	Antenna EXT Quadriband with external SMA connector

### MECHANICAL CHARACTERISTICS

<b>Mounting</b>	1 screw Ø 6
<b>Environmental conditions</b>	-20 / 55 °C
<b>IP Protection</b>	IP 68

### ELECTRIC CONNECTION

<b>WHITE (+)</b>	Digital Input 1 (Freq. Max 20Hz - Freq. Min configurable)
<b>GREEN (+)</b>	Digital Input 2 (Freq. Max 20Hz - Freq. Min configurable)
<b>BROWN (-)</b>	GND

