



## Radio transmitter for Energies metering (pulses)

Ref: PUL-LAB-13XS

This Senlab M is a smart LoRaWAN™ sensor with pulse input capability for reed switch (dry contact) pulse emitters.

**PUL-LAB-13XS is adapted on gas metering and/or in explosive atmosphere. This sensor is compliant with ATEX certification.**

The ruggedized and IP68 casing alongside strong radio-communication performances mean this Senlab M is well suited for un-interrupted monitoring in harsh environment, such as water meter pits.

Sensing Labs advanced sensors offer advanced functionalities such as:

- Datalogging (24 points / radio transmissions)
- “over the air” reconfiguration
- Set initial index

## Typical applications

Water, gas and electricity metering with the attachment of Senlab M to a reed switch type of pulse emitter. Senlab M can be compatible with other types of pulses, contact Sensing Labs for more information.

LoRaWAN™



20 years \*



15 km \*



IP68  
(Outdoor use)



Local or Public  
Network compliant

ATEX

### Technical specifications

Physical dimensions	56 x 102 x 35 mm
Weight	140 gr
Operating temperature	-20°C to +70°C
RF sensitivity	-137dBm
RF power	+14dBm (25mW)
Radio band	868 MHz
ATEX certification number	II 3G Ex ic Gc
Essential Health and Safety requirements	EN 60079-0 EN 60079-11
EMC Compliance	ETSI EN 301 489-1, ETSI EN 301 489-3, EN 61000-6-2
Radio Compliance	EN 300 220-1 V 2.4.1 (2012-05), EN 300 220-2 V 2.4.1 (2012-05)
Magnetic field exposure	EN 62479
Safety	IEC 60950-1, EN 60950-22

\*Depending on the operating conditions