Senlab© Metering Sensor

A new era for Smart Metering Sensor

High added value meter data analytics, strong radio robustness and sensitivity combined with ruggedized and IP 68+ design make Senlab© metering sensors unrivalled for meters data retrieving solutions.

Senlab© metering wireless sensors embed LoRa™ long range spread spectrum disruptive technology, providing significantly longer range than conventional modulation techniques as well as high interference immunity whilst minimizing current consumption.

Senlab© sensors natively support bidirectional communications and are compliant with private network (customer managed 3G or Modbus gateway) as well as LPWA network.

Meter data analytics integrate leak or burst detection, load profile and consumption patterns.

Radio
LoRa

Range up to 15km (Line-of-sight)
Sensibility -138dBm
Operates in license-free ISM 868MHz
25mW (+14dBm)
Bidirectionnal

Main Features
Part number : PUL-LAB-13NS
Ready to use product (plug and play)
Configuration available via local application or via LPWA network
Event notification (leak, abnormal flow rate)
Data Analytics (load profile, consumption profiles, ...)

Environment
Operating temperature range -20°C/+70°C
CE Certification (EN300-220)
IP 68+ (fully resin potted)
Dimension: L 56 x H 102 x P 35
Designed for meter, wall or pipe fixing

Alimentation
Lithium battery A 3.6V
Battery level notification
Up to 15 years life duration

[Handwritten annotations:]
- Range up to 15km (line of sight)
- Upto 15 years life duration
- IP68 and ruggedized design
- Event notification (leak, abnormal flow rate)
Date analytic
(leak load profile, abnormal flow rate, consumption profile)

SENSING ◎ LABS
Remote sensor-to-Human ● ● ●

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