SENSING ◎ LABS

Remote sensor-to-Human ● ● ●

LoRa Alliance Member

Ref: 4-20 MA-LAB-33NS

Radio transmitter for 4 – 20mA sensors (current loop)

This Senlab A is a smart LoRaWAN™ sensor with a 4-20mA input for a usage with a compatible pressure transmitter, accelerometer, weather sensor and many others from the 4-20mA family.

The ruggedized and IP68 casing alongside strong radio-communication performances mean this Senlab A 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 Additional specifications

LoRaWAN™

20 years *

15 km *

IP68
(Outdoor use)

Local or Public
Network compliant

Typical applications

Fairly common in the industry any 4-20mA sensor can be made 'smart' thanks to this Senlab. You can either retrofit wired sensors, or add as many points as you need, enhanced with wireless communications.

*Depending on the operating conditions

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
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

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