



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

Ref: 4-20 MA-LAB-33NS

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.

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

*Depending on the operating conditions