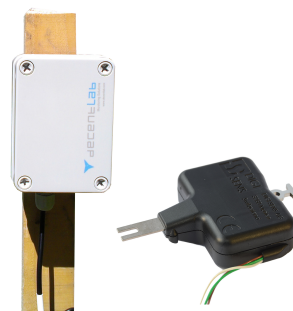


LoRaWAN Sensor Device

Vibrating Wire for Weight / Strain



Sensors

Base frequency 16500 Hz $\pm$ 500 Hz

Elongation nominal: +90 / -45 μ m

Signal nominal: 12000-18000 Hz

Sensitivity:

$\sim$ 4 Hz / μ ϵ @ 12 kHz, $\sim$ 2 Hz / μ ϵ @ 18 kHz

Functional temperature range: -10 to +70°C

Temperature drift of zero on steel:
typical $\pm$ 0.25 Hz/K

5m cable, longer cable on request

LoRaWAN specifics

Device class A

Over the air activation (OTAA)

Adaptive data rate (ADR)

Frequency band: 868 MHz (EU Version)

Input Sensitivity: -148 dBm

Supply

Internal battery 2 x C-type
Integrated sensor supply

Operating conditions

-30°C to 60°C
100% RH

Weight

250g w/o batteries

Dimensions

80 x 135 x 70 mm

