

LoRaWAN Sensor Device

Liquids Level (Pressure) & Temperature



Sensors

Pressure based level sensor
High resolution, IP67 weather resistant, piezo resistive technology
Interface: I²C

-1 ... 10.0 bar differential ~ -10 ... 100 meter of water column [mH₂O]

Absolute pressure or other range on request
Temperature compensated

G1/4" or NPT1/4" screw thread

Accuracy ±0.7% of full scale

Temperature sensor
Range: -10...+80 °C

2m cable, longer cable on request

LoRaWAN specifics

Device class A

Over the air activation (OTAA)

Adaptive data rate (ADR)

Frequency bands:
EU868 MHz (EU Version), US915MHz (US Version),
or AU920 (Australia Version)

Input Sensitivity: -148 dBm (EU Version)

Supply

Internal battery 2 x C-type Alkaline
Integrated sensor supply

Operating conditions

-30°C to 60°C
100% RH

Weight

250g w/o batteries

Dimensions

LoRaWAN sensor device: 80 x 135 x 70 mm
Sensor: 21 mm diameter, 73 mm length

Enclosure

Weatherproof, impact and UV- resistant polycarbonate enclosure

Dimensional drawings (only enclosure)

