



decentlab

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LoRaWAN Sensor Device

Liquids Level (Pressure) & Temperature



Sensors

Absolute or relative pressure sensor for leveling
High resolution, IP67 weather resistant, piezo resistive technology
Interface: I²C

Pressure sensor

Relative ranges: 0 ... 0.3, 0...1, -0.5...0.5, -1...3, -1...10, 0.0 ... 10 bar

Absolute ranges: 0...1, 0.5...1.5, 0...3, 0...10, 0...30, 0...100, 0...200, 0...400, 0...600, 0...1000 bar

Temperature compensated
Accuracy $\pm 0.15\%$ of full scale

Temperature sensor
Range: -10...+80 °C, -40...+110 °C

10m 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), AS923 (Asia 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)

