



# LoRaWAN Sensor Device

## Ultrasonic Level / Displacement



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### Sensors

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#### Ultrasonic Level / Displacement

- Resolution of 1-mm
- Internal temperature compensation
- 42kHz ultrasonic sensor measures distance to objects
- Sensor dead zone closer than 50cm
- Real-time automatic calibration (voltage, humidity, and ambient noise)
- Maximum range of 10 meters (394 inches)

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### LoRaWAN specifics

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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)

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### Supply

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Internal battery 2 x C-type  
Integrated sensor supply

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### Operating conditions

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-30°C to 60°C  
100% RH

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### Weight

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250g w/o batteries

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### Dimensions

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80 x 135 x 70 mm

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### Enclosure

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Weatherproof, impact and UV- resistant polycarbonate enclosure

Dimensional drawings (only enclosure)

