

Features

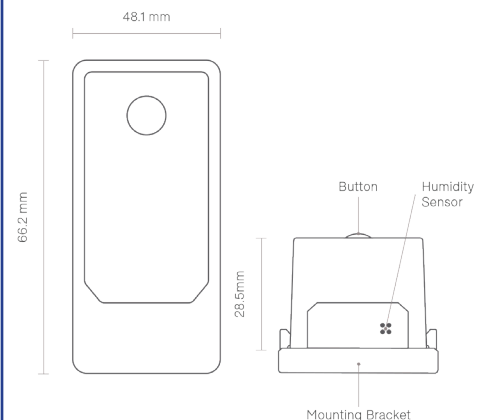
- The H2O Degree LoRaWAN Multi-Sensor is a cost-effective, multi-use device that integrates with H2O Degree's LoRaWAN enabled wireless network.
- Unit is capable of monitoring temperature, acceleration, orientation, magnetic field strength, pressure and humidity.
- Device is compact with a long battery life of 3-5 years depending on application.
- Robust housing meets IP67 rating.
- Highly cost effective and wide operating range.
- Quick and easy set-up in minutes.
- LoRaWAN Tech Specs:
 - LoRaWAN
 - Class A/C End Device, US915MHz
 - ABP and OTA Activation
- Certifications
 - FCC Part 15 Class B Approved
 - IC (Canada) Approved
 - C/UL 60950-1 Listed
- Ingress Protection: Rated IP67
- Power Source
 - Lithium battery (non rechargeable/replaceable) 2400 mAh
- Programming Interfaces
 - Near-field communications (NFC) 13.56 MHz
 - Over the air update capable
- Transmit Power: Maximum +21.5dBm (conducted)
- Receive Sensitivity: Better than -131dBm (conducted, SF12/125kHz)
- Operating Temperature: -20 degrees C to +70 degrees C
- Sensor Capabilities:
 - Temperature Range: - 20 degrees C to +70 degrees C
 - Temp. Measurement Precision: +/-1C
 - Barometric Pressure Range: 700hPa (0C to +65C)
 - Humidity Range: 0 to 95% RH (0C to +60C)
 - Humidity Measurement Accuracy at 25C: +/-3% RH (20% to 80% RH)
 - Accelerometer Range: Programmable (+/-) 2, 4, 8, 16g
 - Accelerometer Measurement Resolution: 1mg
 - Magnetometer Range: +/- 16 gauss
 - Gyro meter (three axis) Speed Range: Programmable (+/-) 125, 245, 500, 1000, 2000 md/s
- Dimensions: 66.5 mm x 48.1 mm x 28.5 mm



Overview

The H2O Degree LoRaWAN Multi-Sensor is a cost effective multi-use device that monitors temperature, acceleration, orientation, magnetic field, strength pressure and humidity and is compatible with H2O Degree's LoRaWAN enabled open protocol wireless network.

The unit is compact with a long battery life making it a cost effective solution to collect data and trigger threshold detection mechanisms in a wide range of applications.



Ordering Information

Model	Description
LS2000-MS	LoRaWAN Multi-Sensor