

WATER ROPE - LEAK DETECTOR



The Water Rope & Leak Detector is a compact spot leakage detection sensor for detecting presence of water (or other liquids) that communicates via the SoniLink hub.

The power efficient leak detector allows for up to five years of operation on its included battery. Users can manage all sensor data remotely, and receive alarms via the SoniCloud app.

Features

- Sensors seamlessly transmit to SoniLink Hubs, creating a comprehensive monitoring network - connect hundreds of sensors to a single hub
- Our LoRaWAN[®]-based technology, SoniLink, ensures secure and reliable wireless connectivity. Experience real-time monitoring with extended range and efficiency
- Compact in size and entirely wireless, installation is a breeze
- IP67-rated waterproof enclosure for harsh environment applications
- Equipped with NFC for easy deployment and configuration through the SoniCloud app
- Instantly compatible with cloud-based SoniCloud monitoring hosted on AWS
- Flexible alerting options via phone call, text, email and push notification
- Onboard temperature and humidity sensors, ideal solution for pipe leakage monitoring, basement flooding, and pump failure, among others
- 5 years of battery life

Specifications

Wireless Transmission

Technology LoRaWAN®-based SoniLink

Transmission Power 22dBm

Sensitivity -137dBm @300bps

Measurement

Leakage Detection

Liquid Type Conducting liquid

Trigger Condition When liquid level reaches 5mm

Cable Length 1.5m (Customizable)

Resolution 0.1°C

Temperature

Range -30°C to +70°C

Accuracy 0°C to +70°C (+/- 0.3°C), -30°C to 0°C (+/- 0.6°C)

Resolution 0.1°C

Humidity

Range 0% to 100% RH

Accuracy 10% to 90% RH (+/- 3%), below 10% and above 90% RH (+/- 5%)

Resolution 0.5% RH

Operation

Power On & Off NFC, Power Button (Internal)

Configuration NFC Configuration via Mobile App

Physical Characteristics

Power Supply 1 × 4000 mAh ER18505 Li-SOCL2 Battery (extendable to 2 batteries)

Battery Life 10 years (10 min interval + 24 triggers per day)

Operating Temperature -30°C to +70°C

Relative Humidity 0% to 100% (non-condensing)

Ingress Protection IP67

Dimension 105.6 × 85.3 × 27 mm (4.16 × 3.36 × 1.06 in)

Installation Wall Mounting

Approvals

Regulatory CE, FCC

Environmental RoHS