

Advanced sensing and signal processing in a mobile wireless pipeline leak detector.

Technical Specifications

Advanced features

- 4 selectable filters in the range 20 – 20,000 Hz: 'Ground', 'Contact', 'Plastic Pipe' & 'Open'
- Frequency boosting of otherwise inaudible low-frequency leak sounds
- Intelligent background noise attenuation and volume limiter
- Leak pinpointing by analyzing sound levels at multiple locations

Optional Cloud Sync features

- Cloud storage and syncing for an unlimited number of recordings, users and/or devices
- Imported GIS asset data, including pipes

System components

- Handheld Control Unit (available separately)
- PLD2 Sensor Unit
- Headphones: High-quality wired or wireless standard
- Accessories: Disk ground probe, contact probe, rigid/flexible handles, chargers, auto adapter
- Carrying case: Pelican IM2306, ABS plastic, rugged, IP68 (waterproof)
- Quick start guide

Handheld Control Unit

- i64seconds WPN2 and PLD2 iOS software apps for iOS 15 or later
- iOS Device (available separately):
 - iPhone 8 or later, iPad mini 5th generation or later
 - iPad 10th generation or later, iPad Air with M1 chip or later, iPad Pro
- Operating System: iOS 15 or later
- Field Protective Case: Ruggedized, rubber

PLD2 Sensor Unit

- Vibration sensing: High-resolution piezo-ceramic element, less than 100 nano g / $\sqrt{\text{Hz}}$ noise
- Communication: Wireless
- Battery Type: Built-in lithium ion, rechargeable, factory-replaceable
- Battery life: 100 hours continuous use, 12 weeks shelf; full charge: 8 hours, usable charge: 1 hour
- Physical Characteristics: 12.6 in (320 mm) x 1.75 in (44.5 mm); 2.0 lbs (900 g)

Environmental

- PLD2 Sensor Unit: IP67 (splash-proof / weatherproof)
- Handheld Control Unit: IP54 (weatherproof)
- Operating Temperature: -4° to +185° F (-20° to +85° C)