



# DLD

## Digital Leak Detector

The Itron Digital Leak Detector (DLD) is the first true digital leak detector for buried distribution pipeline management. Lightweight and easy-to-use, DLD uses dynamic range compression and digital precision to identify leaks that are undetectable with other leak detectors.

### KEY FEATURES

#### Digital Audio Processor

- » Dynamic range compression accentuates leak sounds and reduces loud noises
- » Hears leaks missed by other instruments
- » Precise digital filters block ambient noise
- » Automatic rejection of electrical interference (60dB)
- » Lightweight (< 1 lb.)
- » Wearable strap or belt clip

#### User Interface Buttons

- » LISTEN: Click on/off or press-and-hold to listen
- » VOLUME: 45 dB range in 29 steps
- » FILTER: Five digital filters for:
  - Ground (Gnd): Hard surfaces, soil, plastic pipe
  - Service (SER): Service pipes
  - Contact (Con): Valve, hydrant, service connections
  - Survey (SUR): Surveying
  - Open (OPn): Full listening range

#### High-Resolution, Waterproof Universal Sensor

- » Contact microphone for meters and fittings
- » Ground listening plate with quick-release sensor
- » Magnetic base for hydrants and valves

#### Smart Volume Limiting

- » Continuous, automatic volume protection
- » Suppresses clicks, pops and sudden loud sounds

#### Automatic Leak Location

- » Leak Index Score from 0 to 999 provides a visual determination when positioned over the leak. Technical specifications

## TECHNICAL SPECIFICATIONS

### Digital Audio Processor Unit

- » Frequency range: 30 - 4,000Hz
- » Power supply: 2 AA alkaline batteries
- » Battery life: >12.5 hours continuous listening
- » Display: LCD
- » Protection: IP54, weatherproof, splashproof
- » Weight: 15 oz (408.2 g)
- » Dimensions: 5" x 3.5" x 1.5" (12.7 cm x 8.9 cm x 3.8 cm)

### Universal Sensor

- » High-resolution accelerometer
- » Sensitivity: 20 V/g
- » Resolution: 0.05  $\mu\text{g}/\sqrt{\text{Hz}}$
- » Protection
  - IP68, waterproof, fully submersible
  - Shockproof to 6,000 g

### Ground Microphone Unit

- » Dimensions
  - Height: 34" (86.36 cm)
  - Disk: 4.5" (11.43 cm)
- » Weight: 2 lbs (910 g) with sensor attached
- » Materials:
  - Rod: Anodized aluminum
  - Disk: Stainless steel

### Accessories

- » Carrying case: Rugged, lightweight
- » Probe: Stainless steel; connects to sensorsection title



At Itron, we're dedicated to delivering end-to-end smart grid and smart distribution solutions to electric, gas and water utilities around the globe. Our company is the world's leading provider of smart metering, data collection and utility software systems, with over 8,000 utilities worldwide relying on our technology to optimize the delivery and use of energy and water.

To realize your smarter energy and water future, start here: [www.itron.com](http://www.itron.com)

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