

Permalog+[®]

Leak Noise Logger



Permalog+ Leak Noise Loggers, used in conjunction with a MOSAIC Mesh Network or ROADRUNNER Mobile & Handheld data collection platforms, are today's most powerful tool to protect precious resources and guard against costly and damaging water leaks.

A Serious Issue

Leaks cost utilities and customers dearly. Wasting millions of gallons of treated water and disrupting services and lives when small, unseen leaks develop into large scale problems.

Detect leaks throughout the entire distribution system

Identify leaks immediately - the same day they start

Save millions of gallons in non-revenue water

Repair small leak before they become major losses

Localize problems for precise excavation and repair

An Essential Tool

Permalog+ Leak Noise Loggers equip utilities with the tools to find and repair leaks before they become major losses.

Permalog+ loggers attach magnetically to valves throughout the distribution system. Sophisticated algorithms distinguish the sound of normal operations from the distinct acoustic signature produced by a leak.

Integrated with FIREFLY Meter Interface Units, loggers localize issues and transmit data daily via a MOSAIC Mesh Network or to a ROADRUNNER Mobile/ Handheld during meter reading operations. A Digital Correlator further analyzes data in the field to provide crews with precise location information.

The Permalog+/FIREFLY solution delivers immediate and precise data for protecting a water utility's most valuable resource.

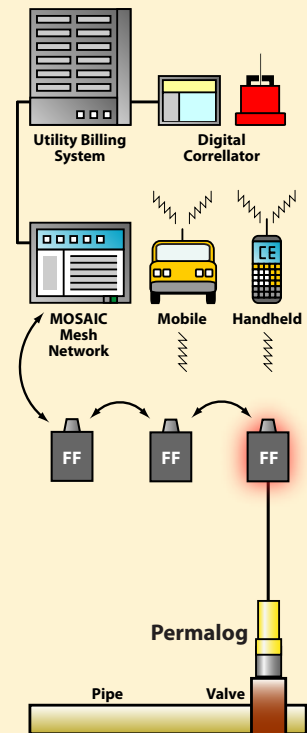
How it works

The Permalog+ activates each night to listen for leak noise.

Data is transmitted daily through the FIREFLY (FF) Meter Interface Unit connected to the Permalog+.

Leak information is collected wirelessly via a MOSAIC Mesh Network, ROADRUNNER Mobile or Handheld, localizing the issue.

Once localized, a crew is dispatched with a Digital Correlator that pinpoints the leak's precise location and allows for efficient excavation and repair.



Specifications

Platforms

MOSAIC Mesh Network
ROADRUNNER Mobile
ROADRUNNER X7-CX Handheld
Computer

Operating Frequency

902-928 MHz

Environmental

IP68 Rating

Physical Dimensions

4.85" high
1.95" wide
24.7 oz.

Battery Type

Lithium

Battery Life

5+ years

Warranty

3 years

For more info,
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