


**LeakFinderRT**  *mini*  
Compact Leak Noise Correlator

**echo**↔**logics**  
[www.echologics.com](http://www.echologics.com)

# LeakFinderRT *mini*

LeakFinderRT *mini* incorporates major advances in leak noise correlation technology that dramatically improves leak detection results. Although small in size, it is powerful in performance.

LeakFinderRT *mini* incorporates advanced sensor technology and signal processing to make the system more effective when correlating small leaks or when high background noise is a factor. Also, an "enhanced" correlation function has been integrated to improve the definition of correlation peaks for narrow-band leak noise. This is important for multiple leak situations, plastic pipes or in settings where leak sensors have to be closely spaced.

**Optional:** low frequency sensors can be added to increase system capability for correlating lower frequency leaks, including plastic pipes up to 6 inches (150 mm)\*.

## Key Features

- › Easy to use, no prior knowledge or experience required
- › User-friendly system
- › More economical
- › Smaller, more portable correlator
- › Includes self contained correlation unit with interface ready to correlate
- › Optional low frequency sensors can be added to find leaks on PVC up to 6" (150mm)\*

\* Some conditions may apply

Off-Site analysis of leak noise is available to users of the LeakFinderRT *mini*. Wave files of the leaks can be saved for further analysis or emailed to Echologics when difficult leak situations are encountered in the field. This support will enable you to find leaks with confidence.

The LeakFinderRT *mini* base model is supplied with a correlation unit, wireless receiver, two wireless transmitters, two high sensitivity accelerometers, a set of headphones, AC battery charger, USB cable, two low temperature rated sensor cables, waterproof rugged Pelican carrying case and operating manual.



## TECHNICAL SPECIFICATIONS

### Hardware:

- › RF transmission power radio frequency: 433 MHz
- › Receiver and transmitters capable of withstanding a 500 G drop
- › High sensitivity accelerometers
- › Low temperature rated sensor cables
- › MIL-C-26482 spec connectors
- › Battery life - receiver: 24 hours
- › Battery life - transmitters: 8 hours
- › Battery life - correlator unit: 7 hours
- › Battery type: NiMh
- › Battery charge indicator
- › Signal strength indicators
- › IP 67 rated for water penetration
- › Protective rubber boot for transmitters/receiver
- › Superior low frequency performance with linear response from 0.5 to 20,000Hz
- › One compact case- dimensions: 559 x 330 x 229mm (22 x 13 x 9 in)

### Correlation Unit:

- › Dimensions: 225 x 165 x 21 ~35mm (8.9 x 6.5 x 0.8 ~ 1.4 in)
- › Weight: 890g (1.9 lb)
- › 7 inch display screen
- › Selection of 10 pipe types
- › Automatic selection of finely tunable digital filters
- › Propagation velocity calculator using out-of-bracket leak noise
- › Enhanced correlation function with improved peak resolution for narrow-band leak noise
- › Storage of leak noise wave files for off-site analysis
- › Variable speed playback of recorded signals
- › 0.1675 Hz minimum frequency resolution
- › 25 micro second minimum time resolution
- › Indefinite average for noise reduction
- › Arbitrary leak noise playback speed (to increase pitch of low-frequency leak when using optional geophones)

### Options/Accessories

- › Low frequency Sensors

### Warranty

One year limited warranty. Warranty does not cover failure resulting from misuse, accident, modification, field maintenance and unsuitable physical or operating environment.

\* Specifications are subject to change without notice

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