

HL4000

Electroacoustic Leak Detector

Only Metrotech's Model HL 4000 Leak Detector accurately detects leaks in transmission, distribution, industrial, commercial, and residential water pipes. This state-of-the-art electroacoustic leak detector was carefully designed with the demanding needs of the professional leak hunter in mind.

The Minimum Measurement Mode allows the desired leak noise to be isolated, even under the most extreme conditions.

The Continuous Measurement Mode allows a continuous leak measurement to be displayed over a prolonged period of time.

This feature helps differentiate between a real leak and a momentary consumer use.

The Memory Mode allows storage/display of up to nine current noise values and minimum noise values. This feature provides a comparison between a number of sequentially recorded measurement values.

Frequency Analysis "brackets" the leak sound within any (or all) of the nine available frequency bands. Enables the user to isolate the audio component of the leak within a given frequency band.

A new generation of contact and ground microphone technology has been developed that combines a highly sensitive pre-amplifier with sound absorbing housing. This unique design enables enhanced acoustic focusing through the filtering of interference noise, including 60 Hz. The HL 4000 also comes with an automatic microphone identification feature designed to identify the microphone in use and sound an alert if incompatible.

*Note: The HL 4000 replaces Metrotech's model HL-2000

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Automatic Noise Filtering electronically averages acoustic levels over time

Two-step process accelerates the isolation of actual leak sounds

1. **Frequency analysis** shows the center frequency of the true leak sound
2. **Frequency filtering** allows the user to selectively filter unwanted frequencies, highlighting the audio signature of the actual leak

Large backlit graphical display

Durable, easy to use membrane switch controls

Advanced microphone technology





Purchasing

The HL 4000 is purchased in two kits. Please use the following part numbers when ordering:

- **HL 4000 DIGITAL LEAK LOCATOR KIT I** **p/n HL 4000 I**
 (Amplifier, GM 10 Ground Microphone w/T-handle, Contact Rod & Extension Rod, Connection Lead, Ambient Noise Protected Headphones, Carrying Case, Operation Manual)
- **HL 4000 DIGITAL LEAK LOCATOR KIT II** **p/n HL 4000 II**
 (Amplifier, GM50 Wind Protected Ground Microphone w/ Carrying Rod, GM 10 Ground Microphone w/T-handle, Contact Rod & Extension Rod, Connection Leads, Ambient Noise Protected Headphones, Carrying Case, Operation Manual)
- **Upgrade Packages are Available**

Specifications are subject to change without notice.

Warranty

One year warranty provided on all parts and labor.

HL 4000 Technical Data

Filters	70 Hz, 106Hz, 160Hz, 240Hz, 360Hz, 540Hz, 800Hz, 1200Hz, 1800Hz, (Multiple selection is possible)
Band Width	70Hz - 1800Hz
Display	LCD
Memory	9 Memory Positions
Batteries	8 AA Cell Batteries
Battery Life	>25 hours
Operation Temperature	-10° to + 50° C (14° to + 122° F)
Dimensions	250 mm x 115mm x 160mm (9.85 in. x 4.53 in. x 6.30 in.)
Weight (including batteries)	1.5 kg (3.31 lbs.)

Service Center, Ordering, and Technical Support Information

- **Corporate Headquarters**
Western United States Service Center
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