

# HL 400

## Electroacoustic Leak Detector

Only Metrotech's Model HL 400 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 Memory Mode** allows storage/display of up to nine present noise values and minimum noise values. This feature provides a comparison between a number of sequentially recorded measurement values.

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 400 also comes with an automatic microphone identification feature designed to identify the microphone in use and sound an alert if incompatible.

\*Note: The HL 400 replaces Metrotech's model HL 90

 **METROTECH**<sup>®</sup>  
see beneath the surface



**Automatic Noise Filtering** electronically averages acoustic levels over time

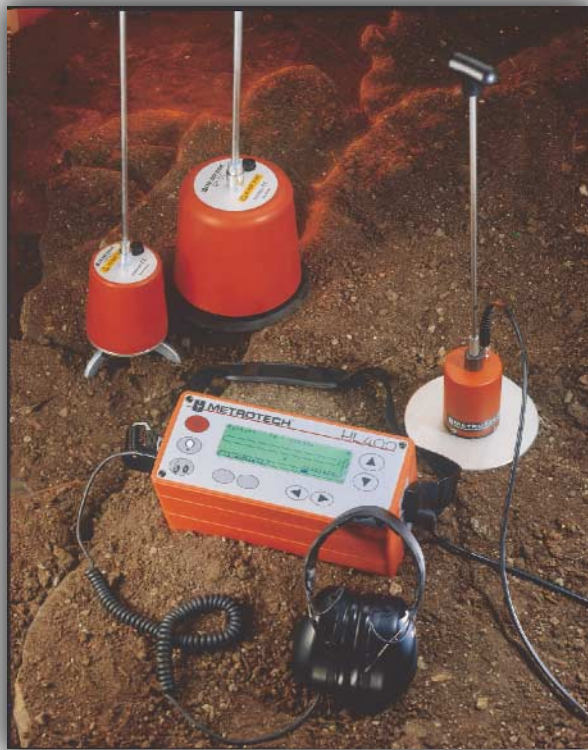
**Frequency filtering** allows the user to selectively filter unwanted frequencies, highlighting the audio signature of the actual leak

**Large backlit graphical display**

**Durable, easy to use membrane switch controls**

**Advanced microphone technology**





## **Purchasing**

The HL 400 is purchased in two kits. Please use the following part numbers when ordering:

- **HL 400 DIGITAL LEAK LOCATOR KIT I** **p/n HL 400 I**  
 (Amplifier, GM 10 Ground Microphone w/T-handle, Contact Rod & Extension Rod, Connection Lead, Ambient Noise Protected Headphones, Carrying Case, Operation Manual)
- **HL 400 DIGITAL LEAK LOCATOR KIT II** **p/n HL 400 II**  
 (Amplifier, GM50 Wind Protected Ground Microphone w/ Carrying Rod, GM 10 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 400 Technical Data**

Filters	70 Hz, 106Hz, 160Hz, 240Hz, 360Hz, 540Hz, 800Hz, 1200Hz, 1800Hz, 70 - 1800Hz
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**  
 488 Tasman Dr., Sunnyvale, CA 94089  
 Service Tel: 1.800.638.7682 (U.S./Canada)  
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