

# LD-12 WATER LEAK DETECTOR



## STANDARD ITEMS

- ① 3 Section Contact Rod
- ② Amplifier
- ③ Ground Mic & Handswitch
- ④ Magnet Base
- ⑤ Stereo Headphones
- ⑥ Nut Driver

## FEATURES

- ▷ Large meter display (with backlight) of sound loudness, allowing the user to pinpoint the exact leak location.
- ▷ Light weight amplifier, weighing only 31 ounces, with a padded carrying case and a strap.
- ▷ Six selectable filters, split into three “low side” filters (100Hz, 200Hz, or 400Hz) and three “high side” filters (600Hz, 800Hz, or 1200Hz).
- ▷ “Limiter” switch which cuts off all loud noises greater than 110dB. If you drop the sensor, you won’t hurt your hearing.
- ▷ “Filter-Thru” switch, which turns OFF all of the amp’s filters, allowing the user to hear all sounds from 50Hz to 15,000Hz.
- ▷ High-sensitivity ground microphone and low “electronic noise” amplifier combine to offer the very best quality sound for leak detection.
- ▷ Three accessories for attachment to the sensor:
  - ▷ Ground plate for pinpointing on streets/slabs
  - ▷ Magnet base for surveying at hydrants/valves
  - ▷ Contact rod for surveying at meters/fittings

## SPECIFICATIONS

### AMPLIFIER

- ▷ Input Impedance: 50k ohms
- ▷ Output Impedance: 15 ohms
- ▷ Amplification: 62 dB +/- 3dB
- ▷ Frequency Range:
  - 1) 100Hz to 1200Hz (13 dB) with Filter-Thru OFF
  - 2) 15Hz to 30,000Hz (13 dB) with Filter-Thru ON
- ▷ Power: 6 AA dry cell batteries
- ▷ Power Consumption:
  - 1) 70 mA or less with backlight ON
  - 2) 35 mA or less with backlight OFF
- ▷ Battery Life:
  - 1) 28 hours with backlight OFF (alkaline cells)
  - 2) 14 hours with backlight ON (alkaline cells)
- ▷ Weight : 31 ounces (885 g)
- ▷ Size : 6.7”w x 2.8”h x 4.1”d (170mm x 71mm x 103mm)

### ABS CARRYING CASE

- ▷ Weight (full) : 16.4 lb. (7.43 Kg)
- ▷ Size : 18.5”w x 14.6”h x 7.5”d (470mm x 371mm x 190mm)



**AMPLIFIER WITH METER DISPLAY AND FILTER CONTROLS**

### AMPLIFIER CONTROLS

- ▷ Power ON/OFF Switch
- ▷ Battery Indicator
- ▷ Adjustable Filter buttons
- ▷ Headphone Jack
- ▷ Sensor Jack
- ▷ Meter Display
- ▷ Volume Control
- ▷ Display Light Switch



### Includes:

- ▷ ABS custom carrying case
- ▷ Instruction manual

