

Lmic Leak Sounding System



The Lmic is an easy-to-use, low cost, electronic listening stick and ground microphone combined. It is ideal for general leak sounding operations and can be fitted with either a tripod foot (for use as a ground microphone) or probe rods (for sounding at fittings or in soft ground).

The control unit is hand-held with a "trigger" operation and a volume/sensitivity rotary control. An LED indicates operation and battery status.

- **Lightweight hand-held unit**
- **Low cost**
- **Excellent acoustic performance – (similar to Gmic using broad band filters)**
- **Simple "trigger" operation**
- **Versatile – ground microphone and hand probe configurations**
- **Military specification connectors**
- **Rechargeable battery pack with long operation between charges**

This lightweight economic unit can be used to:-

- **Confirm the position of underground leaks audibly from ground level**
- **Sound pipe fittings**
- **Penetrate soft ground to listen for leaks**
- **Carry out traditional acoustic surveys**

Scope of supply

- **Lmic hand held control unit**
- **Microphone unit with cable**
- **Tripod unit**
- **2 probe rods**
- **AC adapter**
- **Headphones**
- **Carry bag**
- **Instruction manual**

Technical specification

Lmic hand held unit/sensor housing

Piezoelectric high sensitivity sensor mounted in PC-ABS (polycarbonate) housing
Single headphone/charger input socket with automatic sensing of device connected

Connectors

Amphenol military specification connectors for microphone and headphone/charger connections

Charging

Universal 110-240V AC charger with 12V DC output
Car cigarette lighter adapter with 12V DC output (optional accessory)
4-pin Amphenol connectors to control unit
Charge time: Overnight charge

Microphone housing

High sensitivity piezo-electric sensor mounted in rubber housing with integral strain relief
Low noise 1.5m cable (detachable)
4-pin Amphenol connection to control unit
Weight: 400g

Foot attachment

Cast metal tripod for ground contact

Hand probe attachment

2 stainless steel extension rods (each 400mm long)
Weight: 150g

Headphones

Lightweight high quality headphones
Impedance: 16 Ohms
4-pin Amphenol connector to control unit

LED

Green = normal operation
Red = low battery power

