

## Plastic pipe locator

### Features

- Location of pipes of any material, including plastic
- Useable for different pipe diameters
- Independent of electrical interference
- Variable knocking frequencies for optimal results
- Rechargeable battery

### Description

The detection and localization of non-metallic drinking water pipes, e.g. asbestos cement, PE and PVC, the acoustic sound pulse technique is employed. A knocking generator transmits vibrations along the pipe.

Depending on type of material, diameter and type of soil, the sound pulses propagate along the pipe and can be detected on the surface by means of a geophone. In this manner the route of the pipe can precisely be located.

The achievable range depends on many factors such as depth, type of soil and pipe material. This acoustic location method can also be applied to metal pipes. It is extremely helpful for pipes with Tyton sleeves and in any event when, due to electrical interference, location by electric means is impossible. The range achieved on metal pipes is slightly larger than on others.

### Choice of instruments

The HL 7000 leak detectors with one of the following microphones PAM CORR or PAM W-7 are particularly well suited for picking up the structure-borne sound.

### Coupling

The knocking generator is connected to the pipe to be traced by means of a tight chain. On plastic pipes the integrated impact-cushioning plate may be used to help prevent pipe damage.



### Technical data

|                              |   |
|------------------------------|---|
| <b>Pulse rate</b>            | 3 pulses<br>2 pulses for a weak battery       |
| <b>Range 1</b>               | 40 / min                                      |
| <b>Range 2</b>               | 60 / min                                      |
| <b>Range 3</b>               | 80 / min                                      |
| <b>Range 4</b>               | 120 / min                                     |
| <b>Intensity</b>             | 25 – 50 – 100 %                               |
| <b>Power-on</b>              | Green LED signal                              |
| <b>Pulse</b>                 | Red LED signal                                |
| <b>Battery check</b>         | Flashing green signal<br>+ pulse rate change  |
| <b>Rechargeable battery</b>  | NiCd 12 V 2.8 Ah                              |
| <b>Operating cycle</b>       | ≥ 16 h  |
| <b>Charging cycle</b>        | 2 h   |
| <b>Operating temperature</b> | +14°F to +122°F<br>(-10°C to +50°C)           |
| <b>Chain length</b>          | 22.83 in (580 mm)                             |
| <b>Dimensions IG 3</b>       | 7.48 x 3.74 x 2.56 in<br>(190 x 95 x 65 mm)   |
| <b>Weight IG 3</b>           | 5.73 lb (2.6 kg)                              |
| <b>Dimensions RSP 3</b>      | 9.84 x 4.53 x 6.30 in<br>(250 x 115 x 160 mm) |
| <b>Weight RSP 3</b>          | 4.63 lb (2.1 kg)                              |

Use in conjunction with the HL7000 for optimal results

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