

Plastic pipe locator

Features

- Location of non-metallic pipes
- Useable for different pipe diameters
- Independent of electrical interference
- Variable hammer-frequencies for optimal results

Description

The detection and localisation of non-metallic drinking water pipes, e.g. asbestos cement, PE and PVC, the acoustic sound pulse technique is employed. A sound pulse 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 a 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. When scanning a meadow or loose soil by usage of a soil plug-in thorn it may substantially improve listening results.

Coupling

The pulse generator is connected to the pipe to be traced by means of a tight chain. On plastic pipes a resilient disk may be used to prevent wear caused by this mode of excitation. The pulse rate will drop off as soon as the battery runs low, which is also an indication of the residual charge.



Technical Data

Pulse rate	3 pulses 2 pulses for a weak battery
Range 1	40 / min
Range 2	60 / min
Range 3	80 / min
Range 4	120 / min
Intensity	25 – 50 – 100 %
Power-on	green LED signal
Pulse	red LED signal
Battery check	flashing green signal + pulse rate change
Rechargeable battery	NiCd 12 V 2.8 Ah
Operating cycle	≥ 16 h
Charging cycle	2 h
Operating temperature	- 10 °C ... + 50 °C
Chain length	580 mm
Dimensions IG 3	190 x 95 x 65 mm
Weight IG 3	2.6 kg
Dimensions RSP-3	250 x 115 x 160 mm
Weight RSP-3	2.1 kg

Use in conjunction with the HL7000 for optimal results

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