

Step 3 of 4 · Pinpointing

AP-01

Acoustic pinpointer



Receiver and ground sensor that hear the surge discharge through the ground, so the crew digs in the right place.

The AP-01 comes out once the distance is known and a surge generator is firing. The operator sets the ground sensor down at stops along the cable route and listens on headphones for the thump of each discharge. Where it is loudest, the fault is underneath.

Frequency range	Filters
80–1500 Hz	4

Accuracy	Battery
0.1 m	9 h

Key features

- Acoustic band 80 to 1500 Hz, 80 dB acoustic channel
- Four filters: all-pass, low-pass, high-pass and band-pass
- Noise reduction and adaptive noise reduction
- 4.5-inch colour display showing the signal
- Adjustable sensor height; adapters for soil and lawn
- 9 hours per charge from a 3.7 V, 6400 mAh lithium battery
- Receiver and sensor 2.4 kg together
- Supplied with a calibration approval and certificate

Applications

Acoustic pinpointing of faults in buried power cables after pre-location, while a surge generator such as the PG-10 or PG-32 fires.

Specifications

Acoustic

Frequency range	80 to 1500 Hz
Filters	4: all-pass, low-pass, high-pass, band-pass
Acoustic channel	80 dB
Noise reduction	Noise reduction and adaptive noise reduction
Measurement accuracy	0.1 m

Receiver and sensor

Display	4.5 in, colour, signal trace and level bars
Controls	Four-way pad and four keys
Receiver dimensions (H × W × L)	55 × 127 × 230 mm
Weight, receiver and sensor	2.4 kg
Body	Plastic and aluminium
Carrying	Receiver on a neck strap
Ground sensor	On a telescopic rod, two screw-lock cables to the receiver
Sensor height	Adjustable above the ground
Headphones	Closed-back, over-ear, wired

Power and environment

Battery	Lithium, 3.7 V, 6400 mAh, rechargeable
Battery life	9 h per charge
Operating temperature	–10 to 40 °C
Relative humidity	5 to 90 %
Protection class	IP43

Service

Calibration	Approval and certificate supplied
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In the box

Headphones

Charger

Cable from receiver to sensor

Adapters for soil and lawn

Carrying case

Quantities are given in your quotation.



As photographed. Items shown may differ from the scope of supply.