



# FlashPhone

Digital Acoustic/Ballistic Cable Fault Locator

■ **The *FlashPhone*** Acoustic/ballistic detector is designed to pinpoint the exact location of primary cable fault location when combined with a capacitor impulse discharge unit (thumper). During the flashover at the fault both a magnetic and acoustic signal is generated. There is a time delay between these two signals and the *FlashPhone* displays this signal as a number. The closer you get to the fault will show a decrease in the number that is displayed. The magnetic signal bar graph shows the intensity (magnitude) of the magnetic field, generated by the thumper into the cable fault. It also can be used to locate the correct cable route when the maximum bar deflection (magnitude) is indicated. The microphone is designed to be used with an earth probe for soft ground conditions and the flat ground contact can be used on concrete or asphalt.

The unique combination design of seismic and electronic sensor technology, plus microcomputer technology and digital signal processing is the key to its superior performance and high sensitivity. It is well suited for use with impulse discharge units (thumpers) with low joule energy capabilities.



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## Features

- ☑ **Seismic/Electronic** combination sensors
- ☑ **Large LCD** display with backlight
- ☑ **Re-chargeable** lithium batteries
- ☑ **Battery** monitor on LCD display
- ☑ **Ballistic** bar graph LCD display
- ☑ **External** automatic battery charger
- ☑ **Watertight** enclosure
- ☑ **Rugged** foam-lined carrying case

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## Benefits

**Simple Operation** – only a minimal amount of user training is needed to locate faults

**Locates Faults quickly** – faults are located with a minimal amount of time and effort

**Smart Device** – is able to discriminate between audible “thumps” and background noise

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## Applications

These devices are generally used by:

- ➔ **Electrical Utilities**
- ➔ **Test Companies**
- ➔ **Petrochemical Facilities**
- ➔ **Facility Maintenance**

## Technical Specifications

General		Sensor (magnetic/acoustic)	
Operating Temperature	-10°F - +100°F	Acoustic Detection	Seismic
Humidity	85%	Input Range (g)	±100g
Power Source	7.4VDC Li-Ion Battery	Sensitivity (PC/g)	1100 ±10%
Amplification Acoustic	75dB Maximum	Resonance Frequency (Hz)	80
Amplification Magnetic	65dB Maximum	Frequency Response (±3dB)	DC – 2kHz
Headset Maximum output Power	700mW	Frequency Range Acoustic	1kHz – 32kHz (High Filter) <=270Hz (Low Filter)

## Weights and Dimensions

Case Dimensions	16.00" x 13.00" x 6.87" (40.6 x 33 x 17.4 cm)
System weight	31 lbs

## Scope of Supply

- Controller
- Acoustic/Magnetic Pick-up
- External Battery Charger
- Head Phones
- Foam Padded Carrying Case

## Ordering Information

### System

Part Number: **H-FLASH**

## Control Panel



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