

# X-Wave

## Primary Cable Fault Locator

■ **HAEFELY HIPOTRONICS' X-WAVE** is the most safe, powerful, and advanced cable fault-locating tool on the market for sectionalizing Underground Residential Distribution (URD) loop feed installations. Combined with the HAEFELY HIPOTRONICS **Flash Phone**, it makes fault locating of URD cable systems simple.

This self-contained, battery operated and weather-proof fault locator is equipped with a microprocessor-based control system, as well as large push buttons for user-friendly operation. The emergency stop button, isolated return, and unique mechanical design ensure user safety.

The X-WAVE is specifically designed to shorten restoration time and increase productivity for a wide range of customers.



### FEATURES

- ☑ **Automatic identification** of cable length and fault distance
- ☑ **Quick fault location**
- ☑ **Accessible internal memory** for cable trace storage
- ☑ **Large LCD display**
- ☑ **Intuitive step-by-step instructions**
- ☑ **Multi-Language** options
- ☑ **Large, easy-to-use** buttons
- ☑ **Adjustable output** from 500V - 10kV DC

### BENEFITS

**Isolated return and secure grounding** ensure safe operation.

**Multi-purpose device** with the ability to pre-locate, locate and diagnose cable faults.

**Easy to use controls** guide user through test procedure.

**USB port** to download waveforms and evaluate test results.

**Reduce outage time** by quickly locating cable faults and restoring power.

**Reduce cable damage** with TDR pre-location technology.

### APPLICATIONS

These devices are generally used by:

- Electrical Utilities
- Test Companies
- Petrochemical
- Mining Facilities
- Facility Maintenance



**TECHNICAL SPECIFICATIONS**

<b>Model Number</b>		<b>X-WAVE</b>
<b>System Output</b>		500V - 10kV, 12.5mA (max)
<b>Pulse</b>	<b>Amplitude</b>	160V, 50Ω
	<b>Width</b>	50 - 400nsec
<b>Maximum Energy</b>		350J
<b>Repetition Rate</b>		6 sec @ max voltage
<b>Sampling Rate</b>		80MHz
<b>Accuracy</b>		± 1% of total cable length
<b>Cable Range</b>		50ft - 10,000ft (15m - 3km)
<b>Operational Modes</b>		Arc Reflection (High Voltage TDR)
		Direct TDR (Low Voltage TDR)
		DC Hipot
		Capacitive Discharge/Impulse (Thump)
<b>Display</b>		Trans-Reflective, mono-chrome LCD monitor, 6.5 in (16.5cm)
<b>Battery</b>	<b>Duration</b>	Minimum 1hr continuous use @ max voltage
	<b>Type</b>	24V DC, Rechargeable
<b>Temperature</b>	<b>Operating</b>	10°F - 122°F (-12°C - 50°C)
	<b>Storage</b>	-40°F - 140°F (-40°C - 60°C)
<b>Dimensions (W x H x D)</b>		16.5 x 17.5 x 9 in (41.9 x 44.5 x 22.9 cm)
<b>Weight</b>	<b>Net</b>	42lbs (19kg)
	<b>Shipping</b>	50lbs (22.5kg)
<b>Included Accessories</b>		High Voltage Output & Ground Cables, 15ft ( 3m) Battery Charging Cable, 100/240V, 6ft (1.8m) User's Manual Calibration Certificate

**SYSTEM CONTROLS**



**NOW AVAILABLE:**

Click Here For [Product Demo Video!](#)

See our [YouTube Channel](#)

**ADDITIONAL EQUIPMENT & ACCESSORIES**

Part Number	Description
<b>XWAVE-BATTERY</b>	Extra Auxiliary Battery Pack
<b>XWAVE-POWER</b>	Auxiliary AC Power Adapter (Allows users to run the equipment while charging simultaneously.)
<b>H-FLASH</b>	FlashPhone, Digital Acoustic/Ballistic Listening Device
<b>EXT-WARN-1</b>	One year extended warranty



*FLASH PHONE  
Digital Acoustic/Ballistic  
Listening Device  
(pictured left)*

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