

X-Wave

Primary Cable Fault Locator

■ The **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 **HIPOTRONICS H-FLASH**, 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





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HIPOTRONICS 

TECHNICAL SPECIFICATIONS

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

SYSTEM CONTROLS



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ADDITIONAL EQUIPMENT & ACCESSORIES

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



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



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