

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



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)*