HUBBELL®

HIPOTRONICS®
THE MEASURE OF A LEADER

Cable Dynamics First Response

FEATURES

- Complete Fault Location System
- Windows™-based TDR
- Highly Portable, Lightweight Package
- Output Energy up to 1000 Joules
- Fast Charge Rate of 6 Seconds
- 100 MHz TDR Sampling Rate
- 16 Sample TDR Memory
- Serial Port with Software for Data Download
- Automatic and Manual Thump Modes
- Fully Powered from 12V Battery (Included)
- Waterproof, Interlocked Cabinets

BENEFITS

- Eliminate the Need to Buy and Maintain Multiple Pieces of Equipment
- Reduce Damage Done to Residential Property by Using Lightweight, Roll-Around Package
- Fast Rise Time Pulse Allows Easier Fault Finding when Testing URD Cables
- Reduce Fault Location Time/ Digging with High Resolution TDR (2.5 feet)
- Fully Self-Contained and Waterproof to Minimize Setup Hassle
- High Energy Output Makes it Easier for Operators to Pinpoint Faults

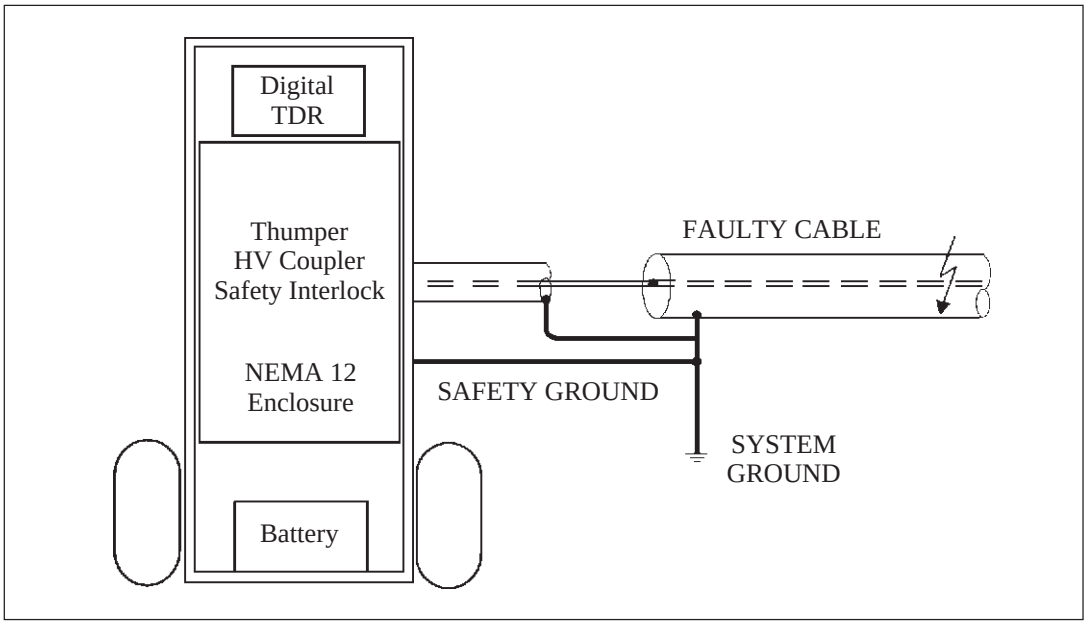
First Response

DESCRIPTION

The 5100 Series First Response Systems meet the demanding needs of utilities, industrials, and contractors who require a highly portable, easy to use, complete fault location system. The First Response System makes use of innovative TDR techniques and compact HV components to provide the lightest, most portable system on the market. These systems will reduce your fault location time by 80% by allowing quick and easy sectionalizing of faulted loop feed URD installations and provide fast fault location in underground cables.

The 5100 Series First Response Systems combine a cable fault locator, high voltage filter, digital high voltage TDR, and battery power into one complete, cost-effective package. Connection to the cable under test is easy with quick clamp connectors on an HV output cable. When using the First Response System, there is no need to disconnect transformers while fault locating. The system is quickly and easily powered-up to the fault location screen on the TDR. Once connected, a trained operator can find faults in a matter of minutes. The digital ARC reflection TDR allows built-in storage of up to 16 sets of three waveforms for comparison. In addition, the First Response TDR has a built-in serial port to allow an operator to download waveforms to a computer for evaluation or long-term storage.

RGS Printed in USA



Measuring Set-Up Diagram

SPECIFICATIONS

MODEL NUMBER	5100/5150	5100-FC/5150-FC	5100-HE/5150-HE
TDR			
OPERATING SYSTEM	Windows™		
MEASURING ACCURACY	2.5 feet (77 cm) - Sampling Rate of 100 MHz		
PULSE AMPLITUDE	25V into 50 Ohm		
PULSE WIDTH	100 nS to 20µS		
RANGE - TIME/DISTANCE	1.28 µS to 0.66 mS/1 to 196,000 ft. (0.3 to 59,740 m)		
TRACE STORAGE	16 Traces for TDR1130 / 32 Traces for TDR1150		
MONITOR	LCD Display 7" (18 cm) Diagonal		
INPUT PROTECTION/ISOLATION	480V ac		
HV SECTION	Sealed gel, 12V dc rechargeable battery in vented case		
POWER REQUIREMENTS	For 115V source add -A to Model Number For 22V source add -B to Model Number		
PULSE OUTPUT	7.5 kV or 15 kV pulse		
ENERGY	480J at 15kV	480J at 15 kV	1000J at 15 kV
CHARGE TIME	15 seconds	6 seconds	15 seconds
DC PROOF OUTPUT	0-15 kV dc		
ENTIRE UNIT			
WEIGHT NET	203 lbs.	236 lbs.	240 lbs.
SHIP	255 lbs.	288 lbs.	292 lbs.
DIMENSIONS	52" H x 25" W x 24" D (132 cm H x 64 cm W x 61 cm D)		
ENVIRONMENTAL	Operating Temperature 32° F to 122°F (0°C to 50°C) Storage Temperature -40° F to 140° F (-40°C to 60°C)		

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