HUBBELL®

HIPOTRONICS®

THE MEASURE OF A LEADER

Cable Dynamics TDR 1100

FEATURES

- Digital High Voltage TDR
- 5 Methods of Fault Location
  - Arc Reflection
  - Impulse Current
  - Voltage Decay
  - Differential Methods
  - Low Voltage
- Color LCD Screen
- Internal Floppy Disk Drive
- Internal Trace Storage
- PC Software
- SVGA Output for External Monitor

TDR 1100

BENEFITS

- Pre-Locate Faults
- Diagnose Cable Faults
- Easy to Use
- Compatible with Common "Thumpers"
- Provides Long-Term Storage and Evaluation
- Cable System Signature Mapping
- Reduce Outage Time
- Reduce Cable Damage
- Simplified Operator Training

DESCRIPTION

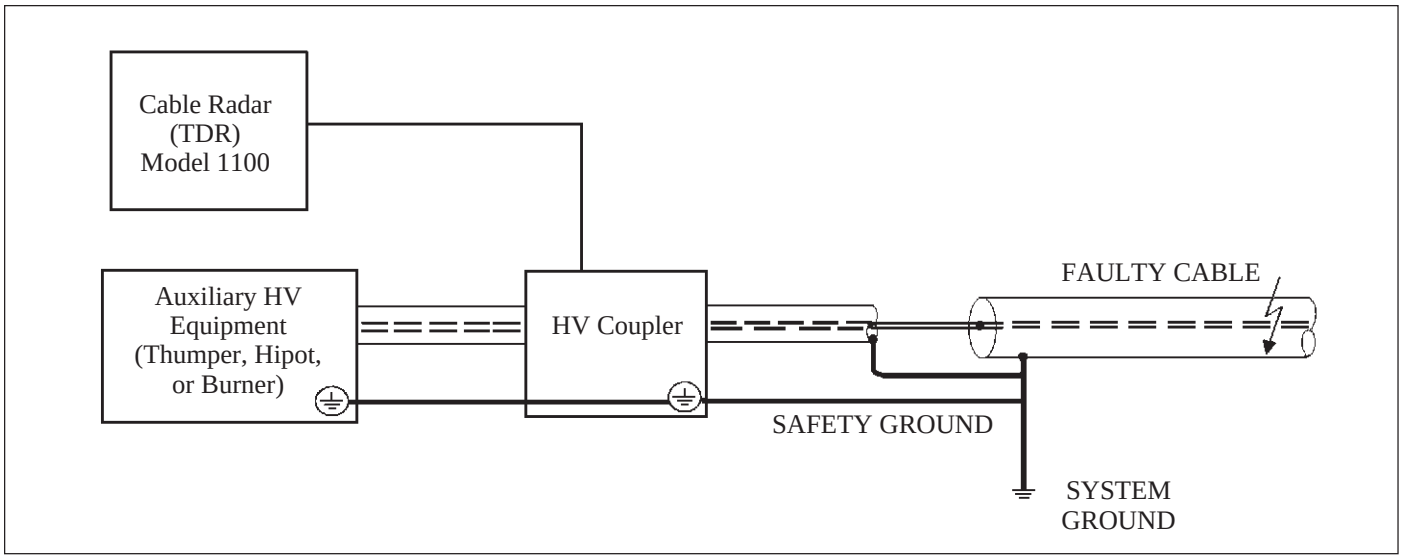
The unique features and new technology used in the TDR 1100 make it the most flexible and easiest to use instrument available for advanced cable fault location. The TDR 1100 features an automatic configuration, which can be modified as necessary. All cable fault data can be stored and retrieved at any time, ensuring time savings, consistency and accuracy from one crew to the next.

The digital TDR 1100 will locate and identify short circuit (bolted) faults, low resistance shunt faults, open circuits, high resistance series faults, wet sections, splices, transformers, cable transitions, and concentric neutral corrosion. To locate high resistance, intermittent and flashover faults, the TDR 1100 is designed to measure in the digital arc reflection, current impulse, voltage decay, and all differential fault locating modes. The selection of fault location method allows the operator to select the method which they are most familiar with or the method that is most appropriate for the type of cable and type of fault that is encountered.

The TDR 1100 requires a high voltage coupler to interface to a cable fault locator (thumper). The cable fault locator then provides the voltage and current to enable the TDR 1100 to quickly and definitively locate cable faults.

Included with the TDR 1100 is a software package to allow the stored data to be viewed on a PC and also be printed and analyzed by office personnel or training teams.

RGS Printed in USA



Measuring Set-Up Diagram

SPECIFICATIONS

POWER SUPPLY	Line Input: 90 to 250 V, 50/60 Hz Line Rejection: Filter for suppression of line interference	
PULSE CHARACTERISTICS	Pulse Amplitude Pulse Width	25 V into 50W 100 ns to 20 µs
INPUT PROTECTION	480 V AC	
RANGE	Time Distance	1.28 µs to 0.66 ms 1 ft. to 1,000,000 ft.
ACCURACY	< ± 1% of Cable Length	
STORAGE	Stores 16 sets of 3 cable and fault signatures Long-term storage on 3 1/2" floppy disk, 1.44 MByte	
MONITOR	Color, LCD 7.5" diagonal	
DIMENSIONS	Standard 19" rack; 19 x 7 x 15 inches (48 x 18 x 38 cm)	
WEIGHT	27 lbs. (12 kg)	
ENVIRONMENTAL	Operating Temperature Storage Temperature	32° F to 122°F (0°C to 50°C) -40° F to 140° F (-40°C to 60°C)

ACCESSORIES

- HV Coupler
- Cable Fault Locator (Thumper)
- Cable Reels
- Accessory Connectors

For further information, contact:

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