

5250 Series

Portable Cable Fault Locating System

■ The HAEFELY HIPOTRONICS **5250 Series** meets the demanding needs of utilities, industrials and contractors. It is a highly portable and easy-to-use fault location system. The 5250 utilizes innovative Time Domain Reflectometry (TDR) techniques. It is the highest energy, battery-operated, portable capacitive discharge unit on the market. These systems will reduce your fault location time by up to 80%, allowing quick and easy sectionalizing of faulted loop feed cable installations.

The 5250 Series combines a high voltage filter, digital high voltage TDR and battery charger in one cost-effective package. The entire system can be operated from the Windows-based controls of the TDR, or manually from the 5250 front panel. Connection to cables under test is quick and easy with clamp connectors on high voltage output cable. Once the 5250 is connected to the cable under test, a trained operator will be able to find faults in a matter of minutes. The digital TDR's built-in storage of waveforms and a serial connection port, allow operators to download waveforms to a computer for evaluation or long-term storage.



FEATURES

- ☑ **Complete Fault** Location System
- ☑ **Highly Portable** Package
- ☑ **Output Energy** up to 2000 Joules
- ☑ **User Friendly** Operation
- ☑ **100 MHz** TDR Sampling Rate
- ☑ **Saves** up to **16** Three Phase **Cable Traces** and **16** User Defined **Test Profiles**
- ☑ **Windows™ - based TDR** with **RS232 Port** to Download Traces to Computer
- ☑ **Dual Mode** Operation
- ☑ **Operational** from **AC** or **12V Battery**
- ☑ **Waterproof** Interlocked Cabinet

BENEFITS

- Single Piece Solution**
- Ideal for Field Use**
- Easy and Quick Fault Detection**
- Weather Proof Design**
- Simple Fault Pinpointing**

VIDEO

Watch our [5250 "How-To" video!](#)



APPLICATIONS

These devices are generally used by:

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

TECHNICAL SPECIFICATIONS

| Model Number | 5250-30-* | 5250-15-* |
|---|---|-------------------------|
| TDR Specifications | | |
| TDR Operating System | Windows™ | |
| Measuring Accuracy | 2.5 feet (77 cm) - sampling rate of 100 MHz | |
| Pulse Amplitude / Width | 25 V into 50 Ohms / 100 nS to 20µs | |
| Range - Time / Distance | 1.28µs to 0.66 mS / 1 to 196,000 feet (0.3 to 59,740 m) | |
| Trace Storage | Total of 32, 16 cable traces and 16 user test profiles | |
| Monitor | LCD Display 10.4" Diagonal | |
| Input Protection/Isolation | 480 volts AC | |
| HV Section Specifications | | |
| Rechargeable Battery | Sealed Gel, 12 V DC | |
| Pulse Output Voltage | 0 – 15 kV, 0 - 30 kV | 0 – 7.5 kV or 0 – 15 kV |
| Controlled Energy | 2000 J @ 30 kV or 15 kV | 1000 J @ 15 kV |
| Charge Time | 10 seconds | 10 seconds |
| DC Proof Test Output | 0 – 30 kV | 0 – 15 kV |
| Capacitance | 4.45µF @ 30 kV, 17.8µF @ 15 kV | 8.9µF @ 15 kV |
| General | | |
| Input Voltage & Frequency | * In the model number, designate 'A' for 120V/60Hz input or 'B' for 230V/50Hz input | |
| Dimensions (W x H x D) | 28" x 51" x 22" (71 x 130 x 56 cm) | |
| Weight | Net | 365 lbs (166 kg) |
| | Shipping | 415 lbs (189 kg) |
| Included Accessories | Qty. 1 CFFR-30 or CFFR-15 Hipot/Thumper | |
| | Qty. 1 TDR1150 & Power Supply | |
| | Qty. 1 50 ft High Voltage Cable, MC connector, vise-grip clamp & grounding clamp | |
| | Qty. 1 25 ft Safety ground with grounding clamp | |
| | Qty. 2 Interconnect Cables, BNC to BNC, 3 ft (0.91 m) | |
| | Qty. 1 Wheeled hand cart | |
| | Qty. 1 Internal 12 V rechargeable battery, charger | |
| | Qty. 1 TDR Software | |
| Qty. 1 Calibration Certificate, User's Manual | | |

ADDITIONAL EQUIPMENT & ACCESSORIES

| Part Number | Description |
|---|--|
| ADDITIONAL CLAMPS & ADAPTORS | Used for safe & efficient cable connections. Available upon request. |
| HH210408 | Hammering Ground Rod |
| H-FLASH | FlashPhone, Digital Acoustic/Ballistic Listening Device |
| EXT-WARN-1 | One year extended warranty |



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

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