

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)
Weight	Net	345 lbs (146 kg)
	Shipping	395 lbs (169 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)*

OFFICES:

Europe
Haefely Test AG
Birsstrasse 300
4052 Basel
Switzerland

☎ +41 61 373 4111
☎ +41 61 373 4912
✉ sales@haefely.com

China

Haefely Test AG Representative Beijing Office
8-1-602, Fortune Street
No. 67, Chaoyang Road, Chaoyang District
Beijing, China 100025

☎ +86 10 8578 8099
☎ +86 10 8578 9908
✉ sales@haefely.com.cn

North America

Hipotronics, Inc.
1650 Route 22 N
Brewster, NY 10509
United States

☎ +1 845 279 3644
☎ +1 845 279 2467
✉ sales@hipotronics.com