

# CF30-8

## Primary Cable Fault Locator



■ **HAEFELY HIPOTRONICS CF Series** test systems for fault locating of primary cables consist of a dc proof tester, a burner and a capacitive discharge fault locator (thumper). These self-contained, portable units are rugged, reliable and compact making them ideal for field use. The CF30-8 has a continuously adjustable impulse rate from three to thirty seconds. Test ratings are a 30 kV dc proof test voltage, a 50 mA burn current and a 0-15 kV dc capacitive discharge (thumper) voltage.

The units can be used with a high voltage coupler (4100 Series) and a time domain reflectometer (TDR) to quickly provide a specific distance to the fault in feet or meters. This combination of equipment can greatly reduce the amount of high voltage (number of thumps) the cable resulting in reduced damage or degradation to the cable under test.

For additional pinpointing the FLASHPHONE (H-FLASH) acoustical detector can be used in conjunction with the CF30-8 to pinpoint the exact underground location. While the CF “thumps” the cable the user “listens” to the thumping using the FLASHPHONE and can pinpoint where to start digging to repair the fault.

HAEFELY HIPOTRONICS has years of experience in cable fault locating the toughest faults. Our line of cable fault locating equipment is designed and manufactured based upon our field expertise. Whether you use the fault locator alone or with other accessories you’ve got a powerful tool to help restore power to your customers quicker.



### FEATURES

- ☑ **Self-Contained Unit** Features Proof Tester, Burner and Thumper in One
- ☑ Burn Currents to **50 mA**
- ☑ **Internal discharge solenoid**
- ☑ Impulse Energies of up to **900 J**
- ☑ **Automatic and Manual** Thumper Mod
- ☑ **External interlock** provisions
- ☑ Operable from **Line Voltage or Generator**
- ☑ **Single HV Output Cable**
- ☑ **Mode Indicator Lights**

### BENEFITS

- Accurate Fault Identification and Location**
- One Unit for all URD Cable Maintenance Testing**
- User Safety** - visual verification of grounding status via face panel window
- Repeatable Impulse level**
- Variable Impulse Rate from 3 to 30 Seconds**

### APPLICATIONS

- Electric Utilities
- Test Companies
- Petrochemical Facilities
- Facility Maintenance

**TECHNICAL SPECIFICATIONS**

Model Number		CF30-8*	CF30-8-PT*
DC Proof Test		30 kV	
Burner		50 mA	
Capacitance		8uF @ 15kV	
Controlled Energy		900 J @ 15 kV	
Duty Cycle		Continuous, 7 pulses per minute	
Metering Accuracy	Proof Test Voltage	±2%	
	Proof Test Current	±2%	
Terminations	Input Line	10 ft (3.1m) cable	
	Return to High Voltage	50 ft (15.2 m) shielded cable - vise grip	15ft (4.5m) of shielded cable, MC type connector for use with our HVC Coupler & 8100 Cable Rack
	Ground	10 ft (3.1m) No. 2 cables with vice grip	
Input Voltage & Frequency		* In the model number, designate 'A' for <b>120V/60Hz</b> input or 'B' for <b>230V/50Hz</b> input	
Dimensions (W x H x D)		16 x 30 x 16 inches (40.6cm x 76.2cm x 40.6cm)	
Weight	Net	185lbs	
	Shipping	250lbs	
Included Accessories		Qty. 1 CF30-8 with terminations as described above Qty. 1 Interlock Plug (PN800661) Qty. 1 Operations Manual Qty. 1 Calibration Certificate	

**ADDITIONAL EQUIPMENT & ACCESSORIES**

Part Number	Description
SPK1-CF30-8	Spare Parts Kit
TDR1150/1170	Time Domain Reflectometer
HVC4100 Series	High Voltage Coupler to protect TDR from high voltage & energy of cable fault locator.
H-FLASH	FlashPhone, Digital Acoustic/Ballistic Listening Device
8100	High Voltage Cable Rack with 125 ft of 70 kV cable and 125 ft of safety ground cable.
EXT-WARN-1	One year extended warranty



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



TDR 1170  
(pictured right)

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