



**HIPOTRONICS**  
THE MEASURE OF A LEADER

## CF30 Series Cable Fault Locators

### **FEATURES**

- Proof tester, burner, thumper in one self-contained unit
- Burn currents to 50 mA
- Impulse energies of up to 900 J
- Automatic and manual thumper mode
- Operable from line voltage or generator
- Single HV output for all modes
- Zero start interlock
- External interlock
- Face panel window
- Mode indicator lights
- Electrically operated shorting solenoids with mechanical ground assurance



*Model CF30 Cable  
Fault Locator*

### **BENEFITS**

- Positive fault identification and location
- One unit for all URD cable maintenance testing
- Visual ground verification
- Precise impulse repetition
- Variable impulse rate from 3 to 30 seconds

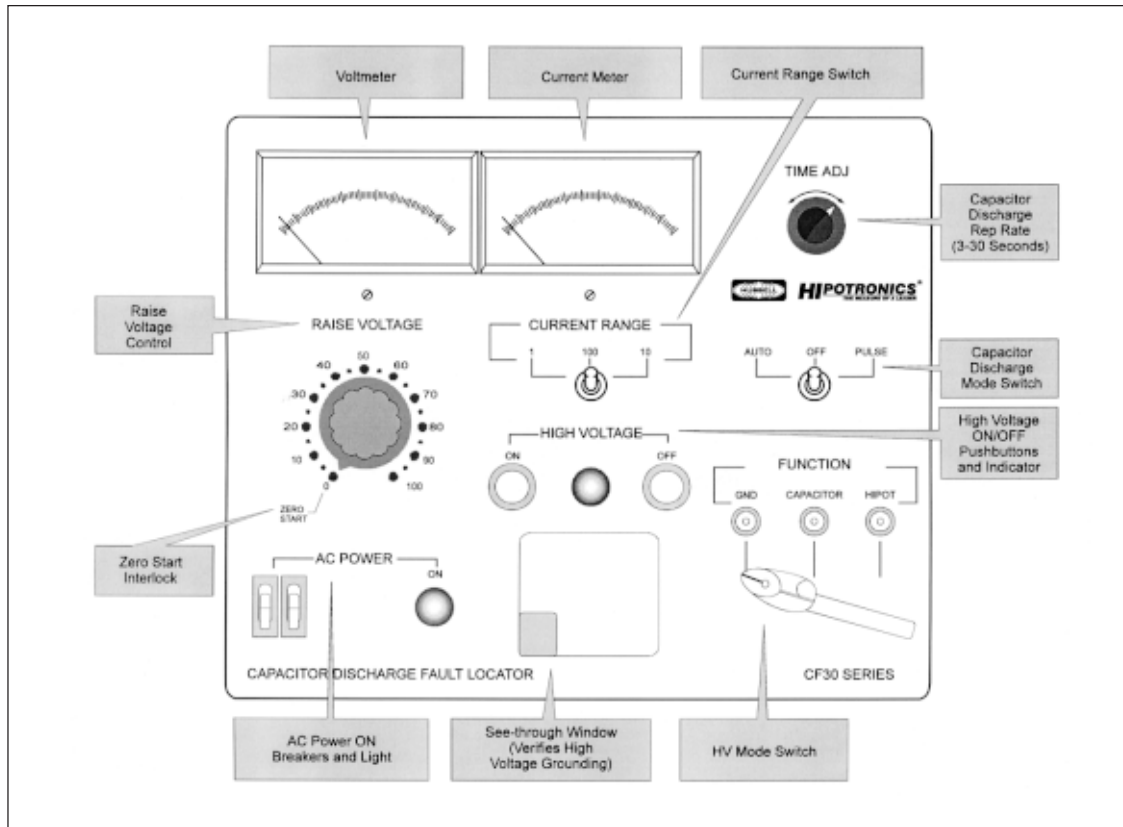
### **DESCRIPTION**

Hipotronics CF Series testing 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. All models feature a continuously adjustable impulse rate from three to thirty seconds.

### **MODEL CF30-8**

- 30 kV dc proof tester
- 50 mA burner
- 0-15kV dc thumper
- Operates from 120 V ac line or portable generator (220 V / 50 Hz input is available as an option)

The CF30-8 is a 15 kV, 8  $\mu$ F thumper, a 30 kV dc proof tester, 50 mA burner and a capacitive discharge fault locator (thumper).



Model CF30  
Panel Detail

## SPECIFICATIONS

<b>INPUT VOLTAGE</b>	Model number suffix - A      120 V/ 60 Hz Model number suffix - B      220 V/ 50/60 Hz		
<b>OUTPUT</b>	CF30 Proof Tester      Continuously variable to 30 kV dc Burner                      50 mA		
<b>MODEL</b> <b>CF30-8</b>	<b>CAPACITOR DISCHARGE</b>	<b>ENERGY DELIVERED TO FAULT</b>	
	0-15 kV at 8 $\mu$ F	900 Joules	
<b>METERING</b>	CF30 Proof Test Voltage 0-30 kV dc $\pm$ 2% Proof Test Current 0-1, 10, 50 mA $\pm$ 2% Burner Current      0-50 mA		
<b>DUTY CYCLE</b>	Continuous		
<b>TERMINATIONS</b>	CF30 Input Line                      8 ft. (2.4 m) cable Return & High Voltage      50 ft. (15.2 m) shielded cable Ground                              10 ft. (3.1 m) No. 2 welding cable		
<b>MODEL</b> <b>CF30-8</b>	<b>DIMENSIONS (W x H x D)</b>	<b>NET WEIGHT</b>	<b>SHIP WEIGHT</b>
	16" x 30" x 16" (41 x 76 x 41 cm)	185 lb (85 kg)	323 lb (128 kg)

## ACCESSORIES

- Spare Parts Kits – Catalog No. SPK1-CF30-8
- Cable Fault Locating Radar(TDR)
- High Voltage Coupler
- \* Cable Reel

For further information, contact:

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NOTE: Because Hipotronics has a policy of continuous product improvement, it reserves the right to change design and specifications without notice.