



**HIPOTRONICS**<sup>®</sup>  
THE MEASURE OF A LEADER

## *Cable Dynamics High Voltage Couplers 40 and 70 kV*

### **FEATURES**

- Compact High Voltage Coupler
- Compatible with Virtually All Cable Fault Locators
  - Arc Reflection
  - Current Impulse (Surge Pulse)
  - Voltage Decay
  - Low Voltage Direct
- Front Mounted Mode Selector Switch
- Available for Use with Thumpers up to 70 kV

### **BENEFITS**

- Couple advanced TDR's to Standard Thumpers
- Compact, User Friendly Design
- Low Voltage TDR Compatible



*HVC4170-CR and HVC4100  
(HVC4170-CR shown with TDR1100)*

### **DESCRIPTION**

The HVC Series of High Voltage Couplers allow modern cable fault locators (thumpers) to be used in conjunction with advanced TDR's. The HVC series is uniquely suitable for use with cable fault locators with voltage ratings up to 70 kV. When connected to a cable fault locator and a TDR, the coupler enables the operator to reduce his "thumping" and reduce the chances of potential damage by extended duration "thumping". The HVC series allows for the use of the latest methods of fault location and also allows the operator to use a TDR mode that is most suitable for the cable that has failed. The HVC series also allows for quick connection of a low voltage TDR.

**SPECIFICATIONS OF COUPLERS FOR USE WITH MODELS TDR1100 AND TDR1130**

MODEL NUMBER	HVC 4100	HVC 4100-CR	HVC 4170-CR	HVC 4170-V
MOUNTING SYSTEM	Free Standing	Rack Mount	Rack Mount	Rack Mount
TDR MOUNT	N/A	Internal	Bolted to Top	Internal
FOR USE WITH HIPO CF MODEL #	CF30	CF30	CF70	CF70
DIMENSIONS (H x W x D)	13" x 21" x 26" (33 x 53 x 66 cm)	31" x 26" x 31" (79 x 66 x 79 cm)	40" x 26" x 31" (102 x 66 x 79 cm)	54" x 26" x 31" (137 x 66 x 79 cm)
MAXIMUM HIPOT VOLTAGE	50 kV	50 kV	70 kV	70 kV
MAXIMUM ARC REFLECTION VOLTAGE	40 kV	40 kV	40 kV	40kV
MAXIMUM SURGE VOLTAGE	50 kV	50 kV	50 kV	50 kV
MAXIMUM BURN CURRENT	100 A	100 A	100 A	100 A
MAXIMUM IMPULSE (THUMPER) ENERGY	3000 J	3000 J	8000 J	8000 J
INPUT VOLTAGE PART#-A	120 V AC	120 V AC	120 V AC	120 V AC
INPUT VOLTAGE PART #-B	220 V AC	220 V AC	220 V AC	220 V AC
WEIGHT	75 lbs. (34 kg)	100 lbs. (45 kg)	230 lbs. (105 kg)	250 lbs. (114 kg)
TEMPERATURE RANGE	-4°F to 122°F (-20°C to 50°C)	-4°F to 122°F (-20°C to 50°C)	-4°F to 122°F (-20°C to 50°C)	-4°F to 122°F (-20°C to 50°C)

For further information, contact:

**Hipotronics, Inc.**

A Subsidiary of Hubbell, Incorporated

Route 22, P. O. Box 414

Brewster, NY 10509, U.S.A.

**1-800-727-4476**

Tel: 914-279-8091

Fax: 914-279-2467

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