

HVC4000 Series

High Voltage TDR Couplers

■ **The 4000 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 70kV. 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 allow for the use of the latest methods of fault location and also allow 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.



FEATURES

- ☑ **Compact** High Voltage Coupler
- ☑ **Compatible** with Virtually all Cable Fault Locators
- ☑ **Interlock Safety** on Mode Selector Switch
- ☑ **Front Mounted** Mode Selector Switch
- ☑ **Female MC** High Voltage Input Connector
- ☑ **Male MC** High Voltage Output Connector
- ☑ **Available** for Use with Thumpers up to 70kV

BENEFITS

- Female MC Connector** – for easy connection of thumpers
- HV Output Cable** – rated for voltages of 70kV DC
- Couple Advanced TDR's** – to Standard Thumpers
- Compact** – User Friendly Design
- Low Voltage** – TDR Compatible

TECHNICAL SPECIFICATIONS

General	HVC 4100 -*	HVC 4170CR-*
Cabinet Configuration	Rack Mounted (cabinet)	Rack Mounted (cabinet)
TDR Mounting Configuration	Internal	Internal
Input Voltage & Frequency	*In the model number designate 'A' for 120V AC/60Hz or 'B' for 230V/50Hz	
High Voltage Range	0-50kV DC	0-70kV DC
Arc Reflection Voltage Range	0-40kV DC	0-40kV DC
Surge Voltage Range	0-50kV DC	0-50kV DC
Maximum Burn Current	100 Amps	100 Amps
Maximum Impulse Energy	3000 Joules	8000 Joules
Temperature Range	-4°F to 122°F (-20°C to 50°C)	-4°F to 122°F (-20°C to 50°C)
Dimensions	31"H x 26"W x 31"D (79cm x 66cm x 31cm)	54"H x 26"W x 31"D (79cm x 66cm x 31cm)
Weights	100lbs (45kg)	250lbs (114kg)

ACCESSORIES

TDR 1170, Time Domain Reflectometer
 TDR 1150, Time Domain Reflectometer
 CET 2000-* Controlled Energy 2000J Thumper
 CF30-8-*, 0-15kV, 900J Hipot/Thumper
 CF70-12-*, 0-25kV, 3750J Hipot/Thumper
 CF70-24-*, 0-25kV, 7000J Hipot/Thumper

ORDERING INFORMATION

System

0-50kV coupler	HVC 4100-A or -B
0-70kV coupler	HVC 4170CR-A or -B