

# 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 <b>120V AC/60Hz</b> or 'B' for <b>230V/50Hz</b>	
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	<b>HVC 4100-A or -B</b>
0-70kV coupler	<b>HVC 4170CR-A or -B</b>

### 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