



Portable Fault Locator

The High Voltage Inc **CDS-2010U / CDS-2010UF** are designed for fault location on cable systems rated up to 35kV, where the line to neutral voltage is approximately 20kv. With 1000 joules available at 5/10/20 kV, the CDS-2010U / CDS-2010UF offers a powerful impulse ideal for using acoustic and electro-magnetic detection instruments and is a true controlled/constant energy thumper. Equipped with a built in high voltage coupler, the CDS-2010U / CDS-2010UF are TDR/cable radar ready for arc reflection and current impulse methods. With up to 400 mA of burn current, high resistance faults can be rapidly reduced permitting fault location at less damaging voltage levels. Find your fault without causing the next one!

There are no better thumpers. The CDS-2010U / CDS-2010UF offers best in class features: Full impulse energy at 5/10/20kV, variable hipot/burn in all 3 taps (400 mA @ 5 kV tap, 200 mA @ 10 kV tap, 100 mA @ 20 kV tap), EPR high voltage output cable that stays flexible even in cold weather, TDR/Radar ready, and extremely durable and portable design with small footprint for years of reliable operation. Available in 120 Vac, 20 A input and 230 Vac, 15 A input (F suffix).

Input Voltage:	CDS-2010U: 120 V, 60 Hz, 20 A CDS-2010UF: 230 V, 50/60 Hz, 15 A
HV Output:	0 – 5/10/20 kVdc
Hipot Burn Current:	400/200/100 mAdc
Discharge Output:	1000 Joules at each output voltage
TDR Interface:	Arc Reflection & Current Impulse
Size:	27" w x 27" d x 48" h 686 mm w x 686 mm d x 1219 mm h
Weight:	260 lbs/118 kgs
Output Termination:	50' HV, return, & ground
Other Features:	Rugged, transit protected meters External Interlock Emergency OFF mushroom switch Internal heater to limit condensation

CDS-2010U CDS-2010UF



Features	CDS-2010U(F)
Output Voltages	0 – 5/10/20 kV
Joules	1000 @ 5/10/20 kV
Constant Energy	Yes. On all taps
Variable Hipot	Yes. On all taps
Hipot/Burn Rating	400/200/100 mAdc
Discharge Rate	3 – 9 seconds
TDR/Radar Ready	Yes

CDS SERIES

CDS-3616U

CDS-3616UF

CDS-3632U

CDS-3632UF

VT33

VT33F

Request a Quote



VLF Thumper Combination

With cable diagnostic testing becoming more common, the need for fault locating will rise. If a cable cannot withstand the test voltage, failure will occur, requiring fault locating. If you're in the market for a thumper, why not get one with a VLF hipot built-in to test the AC integrity of the cable following repair. The **VT33 / VT33F** incorporates a powerful VLF hipot, a VLF Burner that rapidly reduces a faults impedance (arc-over voltage), TDR/ radar capability, and continuous discharge for pinpointing the fault. Suitable for cables up to 25 kV. HVI puts all the tools needed in one box.

Input:	VT33: 120V, 60 Hz, 10A VT33F: 230V, 50/60 Hz, 5A
VLF Hipot Output:	0 – 33 kVac peak @ 0.1 Hz
Load Capability	1µF or more than 1 mile of 15kV cable
Discharge Output:	0 – 13 kVdc @ 760 joules
Discharge Rate:	Every 8 seconds
TDR Interface:	Arc Reflection
Size & Weight: (W x D x H)	28" w x 26" d x 44" h, 245 lbs. 711mm w x 660mm d x 1118mm h, 111kg
Output Termination:	50' (15m) shielded HV cable & ground

Accessories

HVI can provide all the accessories needed to put together a complete fault locating system. Fault locating is an approach, not just a thumper. Don't spend a lot of money on a thumper but not the extra few thousand for a top level listening device to make it most effective. Don't thump for hours wasting time and damaging your cable when a TDR trace can show you the fault location in two minutes, quickening sectionalizing and repair. Consult with HVI on the accessories most appropriate for your situation. We have our favorites but can supply anything needed. For a TDR, nearly any model now available works great.

VT33 VT33F



Features	VT33(F)
Output Voltages	0-33 kV
Joules	760 @ 13 kV
Hipot/Burn Rating	VLF Burner – Arcs cable every few seconds
Discharge Rate	8 seconds
TDR/Radar Ready	Yes

CDS SERIES

CDS-2010U

CDS-2010UF

CDS-3616U

CDS-3616UF

CDS-3632U

CDS-3632UF

Request a Quote



The Network Systems Thumper

The High Voltage Inc **CDS-36** series of primary cable fault locators are ideal for Network Systems or other situations involving cables rated up to 69kV, oil insulated cables, and/or long cable lengths. Available with either 1600 or 3200 joules, the CDS-36 series offers a powerful impulse ideal for using acoustic and electro-magnetic detection instruments.

The CDS-3632U / CDS-3632UF offers 3200 Joules at 9/18/36kV, true controlled/constant energy thumpers. Equipped with a built in high voltage coupler, the CDS-36 series are TDR/cable radar ready for arc reflection and current impulse methods. With up to 280 mA of burn current, high resistance faults can be rapidly reduced permitting fault location at less damaging voltage levels. Find your fault without causing the next one!

There are no better thumpers. The CDS-36 series offers best in class features: Full impulse energy at 9/18/36kV, variable hipot/burn in all 3 taps (280 mA @ 9 kV tap, 140 mA @ 18 kV tap, 70 mA @ 36 kV tap), EPR high voltage output cable that stays flexible even in cold weather, TDR/ Radar ready, and extremely durable design with small footprint for years of reliable operation. Available in 120 Vac, 20 A input and 230 Vac, 15 A input (F suffix).

Input Voltage:	CDS-3632U: 120 V, 60 Hz, 20 A CDS-3632UF: 230 V, 50/60 Hz, 15 A
HV Output:	0 – 9/18/36 kVdc
Hipot Burn Current:	280/140/70 mAdc
Discharge Output:	CDS-3632U(F): 3200 Joules at each output voltage tap
Discharge Rate:	6 - 10 seconds
TDR Interface:	Arc Reflection & Current Impulse
Size:	25" w x 29" d x 44.5" h, (30" w with attached cable reel), 635 mm w x 737 mm d x 1130 mm h
Weight:	3200J model: 450 lbs/204 kgs
Output Termination:	100' HV, return, & ground
Optional Cable Reels:	100' HV, return, & ground
Other Features:	Rugged, transit protected meters, external Interlock, emergency OFF mushroom switch, plexiglass panel to view grounding solenoid, internal heater to limit condensation

CDS-3632U CDS-3632UF



Features	CDS-3632U(F)
Output Voltages	0 – 9/18/36 kV
Joules	3200 @ 9/18/36 kV
Constant Energy	Yes. On all taps
Variable Hipot	Yes. On all taps
Hipot/Burn Rating	280/140/70 mA
Discharge Rate	6 – 10 seconds
TDR/Radar Ready	Yes

CDS SERIES

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The CDS-3616U / CDS-3616UF offers 1600 Joules at 9/18/36 kV true controlled/constant energy thumpers. Equipped with a built in high voltage coupler, the CDS-36 series are TDR/cable radar ready for arc reflection and current impulse methods. With up to 280 mA of burn current, high resistance faults can be rapidly reduced permitting fault location at less damaging voltage levels. Find your fault without causing the next one!

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Input Voltage:	CDS-3616U: 120 V, 60 Hz, 20 A CDS-3616UF: 230 V, 50/60 Hz, 15 A
HV Output:	0 – 9/18/36 kVdc
Hipot Burn Current:	280/140/70 mA
Discharge Output:	CDS-3616U(F): 1600 Joules at each output voltage tap
Discharge Rate:	6 - 10 seconds
TDR Interface:	Arc Reflection & Current Impulse
Size:	25" w x 29" d x 44.5" h, (30" w with attached cable reel), 635 mm w x 737 mm d x 1130 mm h
Weight:	1600J model: 375 lbs/170 kgs
Output Termination:	100' HV, return, & ground
Optional Cable Reels:	100' HV, return, & ground
Other Features:	Rugged, transit protected meters, external Interlock, emergency OFF mushroom switch, plexiglass panel to view grounding solenoid, internal heater to limit condensation

CDS-3616U CDS-3616UF



Features	CDS-3616U(F)
Output Voltages	0 – 9/18/36 kV
Joules	1600 @ 9/18/36 kV
Constant Energy	Yes. On all taps
Variable Hipot	Yes. On all taps
Hipot/Burn Rating	280/140/70 mA
Discharge Rate	6 – 10 seconds
TDR/Radar Ready	Yes

CDS SERIES

CDS-2010U

CDS-2010UF

CDS-3632U

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VT33

VT33F

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