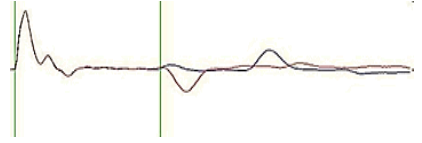




**HVI - The World's Source for High Voltage Test Equipment**

Advanced test equipment for high voltage proof and preventive maintenance testing of electrical apparatus [www.hvinc.com](http://www.hvinc.com)

## Application: Cable Fault Locating Thumpers & VLF/Thumpers



### Application Description

**Many faults occur throughout the year.** How quickly they are found depends on the quality of the equipment used, the methodology, and the skills of the locator. Some faults may be in 5 kV cable close to the surface and easy to find, some may be in URD 15 kV cable installed in ways making fault locating difficult, and some may be in 35 kV or 69 kV cable requiring higher voltages and higher joule ratings to locate, along with a superior acoustical/electro-magnetic listening device. A TDR/Radar unit is usually helpful to pre-locate the fault, saving hours of walking the line and minimizing further damage to the system by limiting the thumping time. In a **Network System**, don't be stuck opening and pumping out manholes to listen for the "bang". The proper thumper and magnetic fault detection device are essential.

**Cable faults are inevitable.** Make finding them as efficiently as possible by arming your crews with the proper tools needed to get the job done fast. Choose a thumper and its accessories with the capabilities to do the job; like **variable output voltages, multiple thump voltages, high joules and fault burning current**, and an integral **TDR/Radar interface filter**. Finish with a quality acoustical and magnetic listening device, and other features needed to get the job done fast with operator ease while minimizing additional damage to your system from repeated, excessive voltage thumping. The right tools are key for any critical job.

### Product Advice

**HVI offers complete thumpers** with all the features needed to get the job done in most situations. **Don't be outgunned** by using a mini or suitcase type thumper that lacks power and voltage, or a larger thumper but with limited controls and no hipot/burner, or a thumper with only one output voltage forcing one to thump at too high a voltage, or a battery unit that isn't charged when you need it and runs out too quickly anyway, or an impressive looking automated thumper operated by an LCD touch screen but can't be figured out by the operators. **Go back to the basics: simple operation, high joules, 2 or 3 voltage outputs, high mA cable fault burner, and a quality listening device.** Maybe include a **VLF hipot** as well.

### HVI Products & Approaches

**HVI thumpers are full featured designs containing all the tools needed to find faults fast.** You may have to turn a knob and push a button instead of programming on a touch screen, but it's easy and fast. HVI offers models from 5 kVdc – 36 kVdc discharge, up to 400 mAdc Burn Current, internal TDR filters, and even a VLF/Thumper combination model.



**VT33 VLF Thumper**

VLF: 0 - 33 kV AC @ 0.1 Hz  
Thump: 0 - 13 kV @ 760 joules  
VLF Cable Burner  
TDR/radar ready



**CDS-2010U**

Output Voltage: 0 - 5/10/20 kV  
Burn Current: 400 mA  
Energy: 000 joules  
TDR/radar ready



**CDS-3616U & CDS-3632U**

Output Voltage: 0 - 9/18/36 kV  
Burn Current: 280 mA  
Energy: 1600 or 3200 joules  
TDR/radar ready



**Cable Test/Fault Locate Pkg.**

**Instant trouble truck.** Any product combination is possible in one package. VLF, Tan Delta, Thumper, TDR, cable reels, Data Logger, Pinpoint Device etc.



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All HVI Products are  
Made in the USA

