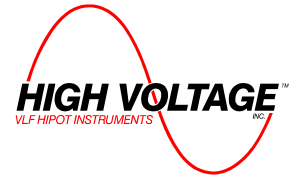


Very Low Frequency (VLF) AC Technology

Why Buy VLF From HVI?



As the world adopts VLF testing, users must make a choice among the various products available. Of the three vendors of VLF technology, High Voltage, Inc. is the leader and only US producer. The superior design of the HVI VLF has been recognized worldwide, with over 400 units shipped to over 40 countries. While other vendors have recently introduced new models to compete against HVI, several of our more popular models have been produced since 1997. They are **time tested, field proven, rugged, and reliable.**

HVI offers the **smallest, lightest, most portable, easiest to operate, and most economical** VLF products available. The popular 40 kV and 60 kV models are designed in a two piece configuration for ease in transport and to fit into tight places. A one piece option is available. HVI also offers the widest model selection, with models from 25 kVac to 200 kVac and with load ratings from 0.4 uF to 50 uF. HVI offers the only **VLF Fault Locator** (thumper) combination, which is ideal for VLF cable testing and fault locating on cables rated up to 15 kV.

The HVI VLF controls are **easy to operate**, requiring only minutes of training. The competitors' designs use complicated computer based controls that increase their training requirements, add to the expense of their products, and add a degree of electronic circuitry that isn't as durable to the rigors of field use as the HVI design. While the sophisticated controls of others may appear attractive, they add unnecessary complexity to operating the VLF, something usually not favored by users. VLF testing is a simple pass/fail, or go/no-go, test. Quick and simple is best. Computerized controls used to program the test and record the limited data are not necessary. With the HVI VLF, just turn it on and turn up the voltage. The cable either holds the test voltage or doesn't.

The HVI VLF offers a **sine wave output**, which is approved by IEEE400.2 for cable testing and required by IEEE433 for testing rotating machinery. A sine wave permits the VLF to be used as a voltage source for Tangent Delta and Partial Discharge **diagnostic testing**. Non sine wave producing VLF designs are limited in their use.

HVI produces many models and stocks most, making **delivery and service timely**. In the US, several companies inventory and rent the HVI VLF.



**URD Cable Check
Verification Tool**

Just 72 lbs.

25 kVac @ 0.4 uF



120 kVac
@ 5.5 uF



The 200 kV model and two others are not shown

VLF Thumper

30 kVac @ 1.0 uF
8 kV @ 500 joules
TDR ready



40 kVac @ 5.5 uF



60 kVac @ 5.5 uF



90 kVac @ 2.75 uF