VLF-34E *FROM HVI - THE NEXT GENERATION*

VERY LOW FREQUENCY AC TECHNOLOGY

-- See the VLF-34E brochure and full VLF catalog for more details on all models --

VLF-34E Advantages: There are now 4 - 5 experienced and reputable producers of VLF products in the world. Most offer models similar in ratings. However, there are differences in the HVI design that are important and will affect the way you **VLF Withstand** test and are able to perform **Tangent Delta** and **Partial Discharge** Diagnostic testing of cable. Operating features, ease in programming, data collection and storage, wireless communications, remote PC operation, and test report generation are just some of the operational specifications to compare. The information below details several of the more important features and advantages of the VLF-34E produced by High Voltage, Inc. This is just one of ten VLF models from HVI, including a **VLF/Thumper** combo. Diagnostic testing options are also available.

Specs & Features of the VLF-34E: Many Unique & Advantageous - Some are Similar - None are Inferior

Output Modes:

VLF Rating:	**0 – 34 kVac peak/ 24 kVac rms, sinusoidal waveform**
DC & Square Wave:	± 0 - 34 kVdc @ 14 mAdc
Sheath Tester:	5 kVdc @ 14 mAdc
VLF Cable Burner:	More than just a DC burner like others offer. HVI uses the VLF voltage to continuously charge the cable, *in both polarities*, letting it discharge its stored energy into the fault while using the VLF's current output to sustain the arc every half cycle to better burn the fault. Two methods – very effective.

Made in the USA

Load Rating:

0.5 µF @ 0.10 Hz @ 34 kV	1.0 µF @ 0.05 Hz @ 34 kV	**Increased µF ratings at lower voltages**
2.5 µF @ 0.02 Hz @ 34 kV	5.0 µF @ 0.01 Hz @ 34 kV	**Example: 0.77 µF @ 0.1 Hz @ 22 kV peak**

Software: Custom operating software permits creation of **impressive test profiles and reports, versatile data storage, and wireless communications to laptop for remote PC operation**, as well as ease of use. Also, **Tan Delta data collection and results reporting and graphing are included** for use when wirelessly interfaced to an HVI remote TD transducer. Nothing is missing.

PC Interface: Uses USB and RS-232/422 for direct connection and **Xbee(r) wireless for remote operation**.

Display: The best display offered. **320 x 240 TFT-LCD LED Backlit Color**

Packaging: Compact and rugged, light and portable, using **wheeled case with handle, just 21 kg.**

The Source: **It's an HVI:** a world leader in VLF technology, with its VLFs shipped to over 80 countries. Models from 28 kVac – 200 kVac and up to 50 µF are available, as well as Tan Delta and Partial Discharge Diagnostics. HVI can help better than others by offering more product choices, vast application knowledge, test results interpretation, training, after sales support, and more.

Model TD-34E Tan Delta Option

VLF34E Adv. 05.14 revA

HIGH VOLTAGE, INC. *31 County Rt. 7A, Copake, NY 12516 Voice: (518) 329-3275 Fax: (518) 329-3271*
Email: sales@hvinc.com Web: www.hvinc.com