



# VLF-34E 34 kV VLF Tester

## Very Low Frequency AC Technology

VLF & DC Output • Sheath Testing • Cable Burning • Tan Delta Diagnostics

The VLF-34E is a new generation VLF AC hipot that uses a solid state design with microprocessor controls. It meets the requirements of applicable world standards regarding cable testing up to 25kV class Maintenance testing. It is light, compact, rugged, and very portable. It also contains an integral **Tan Delta** cable diagnostic feature that requires no external parts, making it the simplest and least expensive TD available. Its sine wave output is suitable for using external PD detection equipment. Using a **PD option**, the VLF-34E is all that is needed for nearly all cable testing up to 25kV class.

### Specifications – Solid State Design

Input Voltage:	90 Vac – 265 Vac, 50 Hz/60Hz, 5A max.
HV Output:	0-34 kVac peak/0-24 kVac rms - Sinusoidal DC: +/- 34 kV Square wave: 34 kV Sheath Tester
Duty:	Continuous
Frequency:	0.1 Hz to 0.01 Hz
Load Rating:	0.5 $\mu$ F @ 0.1 Hz @ 34 kV 1.0 $\mu$ F @ 0.05 Hz @ 34 kV 5.0 $\mu$ F @ 0.01 Hz @ 34 kV $\mu$ F rating increases at lower voltages Ex: 0.77 $\mu$ F @ 0.1 Hz @ 22 kV peak
Metering:	Voltage kV peak or RMS Current mA peak or RMS
Calculated:	Capacitance, Resistance, Tan Delta, Flashover voltage, Time to Failure
Size/Weight:	19.7" x 12.0" x 18", 45 lbs. 500mm x 305mm 458mm, 21 kg.
Case:	Hard "Pelican" type case with extendable handle and wheels
Lead Outputs:	HV lead: 20' RG8/U, Ground 20' #2
Fault:	Smart Fault Management or shutdown on Fault
Reports:	Test Records stored in non-volatile memory or via USB memory stick
PC Interface:	USB, xbee(r) wireless, RS-232/422
PC Software:	Remote Control & Test Reports

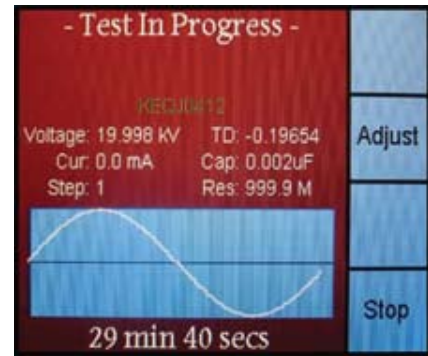
Internal Tan Delta Diagnostic feature included

**ISO 9001:2008**



**Easy to use controls.** Programmable test sequences & manual control, USB port for downloading data and for unlimited test report capture, wireless computer interface to control and download Tan Delta diagnostics and for remote control operation via laptop.

Cable Standards met:  
IEEE 400.2-2004, IEEE 400-2001, IEC 60060-3  
VDE DIN 0276-620/621, CENELEC HD 620/621



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High Voltage, Inc. designs and manufactures high voltage test equipment for utility and industrial applications. Also available are Very Low Frequency (VLF) high voltage AC test sets, oil dielectric test sets, AC and DC instrumented test sets, cable fault locators and other products.