The VLF-65E Test Set is the latest addition to the new generation of VLF AC Hipots from HVI that use a dry-type, air cooled, solid state design with microprocessor control. Its test programming, numerous output functions, wireless communications, and data retrieval are intuitive and easy to learn, as well as its PC Application software. It is portable, affordable, and built for the rigors of field use, like all HVI products. Its 0 - 65 kVac output voltage meets world standards for Acceptance testing up to 35 kV class cable and its sine wave output is suitable for using optional Tan Delta and Partial Discharge measurement systems, like the HVI TD-65E Tan Delta System. The VLF-65E offers everything needed for fully testing cables rated up to 35 kV. The HVI VLF-34E and TD-34E for testing up to 25 kV cables are shown below.

HVI offers the broadest VLF line with 12 models available, with higher power and voltage, electronic and electro-mechanical designs, a VLF/Thumper combo, and Tan Delta, all with superior factory support and field service. HVI produces products for testing substation apparatus, motors/generators, transformers, aerial lifts, cables, and cable fault locating. HVI has delivered its products to over 100 countries and has service locations worldwide. Over 2000 VLF units alone have been delivered to over 80 countries.

### Specifications & Features

**Input:**
100 Vac – 265 Vac, 50 Hz/60 Hz, 20A max

**Output:**
- VLF Sinewave: 0 - 65 kVac peak/46 kVac rms @ 26 mA
- VLF Square wave: 0 - 65 kVac peak @ 45 mA
- DC: 0 - ± 65 kV @ 45 mA

**Duty:**
Continuous

**Frequency:**
0.1 Hz to 0.01 Hz in steps of 0.01 Hz

**Load Rating:**
- 1.0 μF @ 0.10 Hz @ 65 kV
- 2.0 μF @ 0.05 Hz @ 65 kV
- 5.0 μF @ 0.02 Hz @ 65 kV
- 10.0 μF @ 0.01 Hz @ 65 kV

**Metering:**
- Voltage kV peak or rms, +/-1% accuracy
- Current mA peak or rms, +/-1% accuracy

**Calculated:**
- Capacitance, Resistance, Tan Delta, Flashover voltage, Time to Failure

**Fault Response:**
- Smart Fault Management – Fault "Burning" or Shutdown on Fault

**Reports/Data:**
Up to 50 test records can be stored in non-volatile memory or removable USB memory stick

**PC Interface:**
- USB and XBee wireless

**PC Software:**
Remote Control & Test Data Reporting

**Size/Weight:**
- 22”w x 14½”d x 26”h, 150 lbs
- 559 mm x 369 mm x 660 mm, 68 kg

**Output Leads:**
- HV: 20'/6m flexible x-ray, Ground #2 - 20'/6m # 10 test leads, ground hook, line cord, etc.