HVI - The World's Source For High Voltage Test Equipment

HVI Products Are Designed to Surpass All Others in Features, Specifications, and Ease in Use

ISO 9001 2008  The World's Source for High Voltage Test Equipment  MADE IN THE USA
Serving the HV Equipment needs of the Electric Power Industry since 1997

HVI designs and produces high voltage test equipment for the Proof, Preventive, & Diagnostic Testing of power cables, aerial lifts, and most electrical apparatus used in the production, transmission, & distribution of electricity. Our major markets include:

- Utilities, Power Producers, Wind and Solar Farms
- Testing Service Companies
- Motor/Transformer Repair Shops
- Electrical Contractors
- Large Industrial/Commercial Installations
- HV Electrical Apparatus Manufacturers
Known Worldwide For Its Superior Field Test Equipment

THE HVI PRODUCT LINEUP

- Very Low Frequency (VLF) AC Technology
- VLF Withstand, Partial Discharge, & Tan Delta Diagnostics
- DC Hipot/Megohmmeter Combination Instruments
- AC Dielectric Test Equipment
- Aerial Lift Testing: Booms & Buckets
- Oil Dielectric Testing
- Thumpers: Cable Fault Locators, Radar/TDR, Pinpoint Devices
- OEM HV AC & DC Power Supplies
- Ω-Check® Concentric Neutral Resistance Tester
Very Low Frequency (VLF) AC Technology 0.1 Hz. – 0.01 Hz.

Two Technologies to Serve all Applications:

**VLF Series:** Original 1997 Patented, Oil filled HV transformer design with analog controls
Ten Models: 0 - 30 kVac to 200 kVac peak sinusoidal. 0.4 uF – 50.0 uF

**VLF E Series:** Solid state, air insulated, fully programmable with data logging & wireless
Two Models: 0 - 34 kVac & 0 - 65 kVac peak sinusoidal. 0.5 uF – 10.0 uF
Very Low Frequency (VLF)

HVI Designed Tan Delta

Tangent Delta (Tan δ)/Dissipation Factor/Loss Angle
Measures a Cables Insulation Integrity to Predict Life

With the HVI *E-Link Software*

Highly praised, most comprehensive, user friendly with definable fields, XBee wireless for longer distance and more secure connections.
Very Low Frequency (VLF) Diagnostic Testing Options

VLF Partial Discharge & Tan Delta

30 kVAc – 200 kVAc

HVI offers several packages for using any HVI VLF model for performing Partial Discharge, PD & TD, or just TD testing on cables, motors & generators, and other apparatus.

Ask HVI about which VLF and others PD/TD products will best serve your needs.
DC Hipot/Megohmmeters
2 in 1. 20 - 600 kVdc @ 3 - 10 mAdc

Smaller & Lighter – Rugged & Reliable – More Full Featured

10 Models Available from

0 - 20 kVdc to 0 - 600 kVdc
5 mAdc - 10 mAdc

0 – 37.5 kVdc @ 10 mAdc
0 – 100 kVdc @ 10 mAdc
0 – 300 kVdc @ 5 mAdc

0 – 600 kVdc @ 3 mAdc

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High Voltage, Inc.  •  hvinc.com  •  p. 518.329.3275  •  f. 518.329.3271  •  31 County Route 7A  •  Copake, NY 12516 USA
The HVI Advantages

- Built in +/- 1% input line regulator to stabilize input power, permitting more accurate leakage current readings (PTS-37.5 and PTS-75 models)
- Rugged, transit protected meters. Glass fronts prevent static buildup
- Meter reads leakage current & megohms
- Guard/Ground circuit
- Rugged custom cases with cushion grips
- Smaller size and weight

Note: Steel HV Tanks are Grounded
Cable Fault Locators
Controlled Energy, High Burn Current, High Joules, Internal TDR Filter

**THUMPERS/SURGE GENERATORS**
0 – 5/10/20 kV @ 1000 J, 400 mA Burn
0 – 9/18/36 kV @ 1600 J, 280 mA Burn
0 – 9/18/32 kV @ 3200 J, 280 mA Burn

**VLF/THUMPER COMBO MODEL**
VLF Hipot: 0 – 33 kVac @ 1 uF, 0.1 Hz, peak
VLF Burner: Maintains arc every ½ cycle
Thumper: 0 – 13 kV @ 760 J every 10 secs
TDR/Radar: Built in TDR Filter
Cable Test & Fault Locate Van
HVI Makes it Quick & Easy

① Select your cable testing and fault locating tools, cable reels, accessories, etc.

- **VLF AC Hipot:** Models from 30 kVac – 90 kVac @ 0.1 Hz.
- **DC Hipot:** 37.5 kVdc – 200 kVdc
- **Thumper:** 5/10/20 kV @ 1000J or 9/18/36 kV @ 3200J
- **TDR/Radar:** Arc Reflection & Current Impulse Locating
- **Listening Device:** Acoustical and Electro-Magnetic/Ballistic
- **Cable Reels:** Two - HV and Ground Cables, 100’ (30m)
- **Aluminum Base:** Temporary Install or Mounted Designs

② Select your skid design and mounting method

Dimensions, fork truck portable or permanent mount

③ HVI will deliver your instant cable test package

In 6 – 8 weeks your cable trouble truck package will arrive

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HVI has developed a comprehensive line of AC Dielectric Test Sets. Many models are low in PD output and can be ordered with PD and TD/PF measurement accessories.

Available are models from 1 kVA to 250 kVA: portable field test and substation test models, to larger field transportable models to factory installed systems for the OEM, to Resonant Sets for high capacitance loads like motors and generators.

- **1 - 3 kVA Portable AC Hipots**
- **5 - 15 kVA Field Portable AC Testers**
- **3 - 40 kVA AC Field/Factory Dielectric Testers**
- **50 - 250 kVA Parallel Resonance Supplies**
AC Portable Hipots
Smallest, Lightest, with Higher Power

8 Models Available
0 - 10 kVac to 100 kVac
1 kVA – 3 kVA

- 0 – 30 kVac @ 1 kVA
- 0 – 30 & 50 kVac @ 3 kVA
- 0 – 65 kVac @ 2 kVA
- 0 – 30 kVac @ 2 kVA, CE
- 0 – 100 kVac @ 3 kVA
AC Portable Hipots  PFT Series
1 – 3 kVA @ 10 – 100 kVac

Advantages
- 0 - 50 kVac @ 3 kVA with 120V Input
- Only Single Piece Unit
- 18’ (6m) Shielded Cable Output
- Guard/Ground Circuit
- Input Inductive Compensation
- Rugged & Reliable
- Anti-Static Glass Front Meters
- Easily Serviced
- Thousands Shipped

Best Seller
PFT-503CM

Analog Versions

Digital Versions

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MADE IN THE USA
AC Dielectric Test Systems
Higher Power & Higher Voltage

3 kVac – 300 kVac up to 40 kVA
Multiple Control Options
Low PD Output
Parallel Resonance Technology
Large Motor/Generator & Apparatus Testing

AC Test High Capacitance Loads with less Power, Current, & Expense

Typical Generator Test Models
0 - 8/16 kVac @ 80 kVA
0 - 16/32 kVac @ 160 kVA

Models available to 100 kVac & 250 kVA

- AC Withstand
- Partial Discharge
- Power Factor
- Tan Delta

Model: PAR 50-250FC5
0 - 50 kVac @ 5 A, 250 kVA Load
Aerial Lift Testing - AC & DC
Booms - Liners - Fluids

HVI supplies hundreds of various AC & DC aerial lift testers a year

- 100 kVdc @ 10 mAdc
- 210/50 kVac @ 7 kVA
- 120/60 kVac @ 7 kVA
- 300 kVac @ 7 kVA
- 50 kVac @ 10 kVA

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Oil Dielectric Testers
Semi & Fully Automatic

DTS Series: Semi Automatic
60 kVac & 100 kVac

DTS A Series: Fully Automatic
w/Printer, 60 kVac & 100 kVac
AC/DC HV Dividers
150 kV & 300 kV

Connect to any DVM
Ω-Check® Concentric Neutral Resistance Tester

How are your Neutrals?
Tests While Cables Energized
Measures Neutral Corrosion
Easy to Set Up
Easy to Operate
Easy to Interpret

Test Substation Ground Cables
OEM Products
HV AC & DC Supplies

High Voltage AC and DC Tanks
3 kV – 300 kV up to 40 kVA

Bushing Output Steel Tanks < 5pc Partial Discharge

High Voltage Transformers

ISO 9001:2008  The World’s Source for High Voltage Test Equipment  MADE IN THE USA
Copake, NY in the Scenic Hudson Valley

100 miles North of New York City
50 miles SE of Albany, NY
30 miles East of the Hudson River
1 mile West of the CT & MA border

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