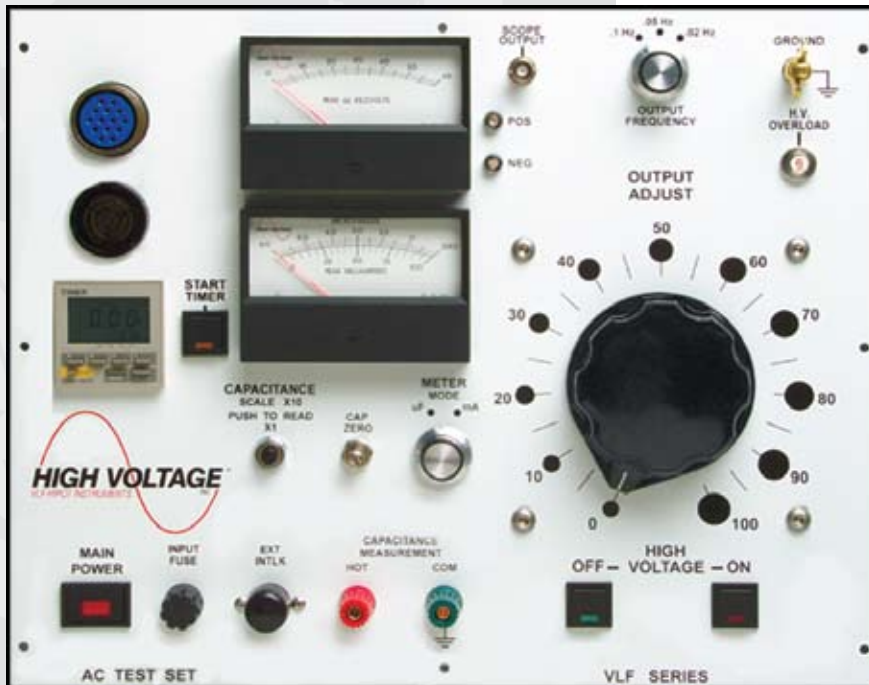


HVI – The World’s VLF Source

Nearly 70 countries served since 1998

- **Greatest Model Selection**
- **Highest Voltages Available**
- **Highest Power Ratings Delivered**
- **Only VLF Thumper Produced**
- **Rugged oil filled non-electronic design offers extreme reliability and ease of field service if ever necessary**



VLF-6022CM – Front Panel

**Simple to use, manual controls.
No programming necessary.**

Very Low Frequency AC Hipots

VLF-4022CM(F) 0 - 44 kVac peak up to 5.5 μ F

VLF-6022CM(F) 0 - 60-62 kVac peak up to 5.5 μ F

AC testing of cables and electrical apparatus is now easier than ever.

Since the introduction of the High Voltage, Inc. line of portable and affordable VLF hipots, there is a practical method of AC field-testing various loads, particularly cables and rotating machinery. High Voltage, Inc. offers a full line of VLF AC Hipots from 28 kVac to 200 kVac with models that can test up to 50 μ F of load, cables over 50 miles in length and the largest of generators/motors. Use VLF for AC stress tests and/or as a voltage source for **Tan Delta** and **Partial Discharge** cable diagnostic testing.

SINCE 1998, HVI has produced the most rugged and reliable VLF

products available. Our electro-mechanical control and our oil filled HV power supply designs are **extremely dependable**, and if necessary, more easily field serviced than the electronic designs of others. **The HVI design has a proven 12 year track record with over 900 units in service.** The HVI VLF design offers the best of everything, with manual, easy to use controls but also sophisticated data collection. Electric utilities and industrials have long recognized the benefit of our technology. HVI knows how to build long lasting field test equipment.

The HVI VLF design produces a **sine wave output** that meets all requirements of world standards, permitting it to be used as a voltage source for

Tan Delta and **Partial Discharge** cable diagnostic testing. Non sine wave producing VLF designs are limited in this ability and may reduce the users' options in the future to use the VLF for diagnostic testing. Stick to the HVI sine wave producing VLF.

VLF-4022CM(F)

This model, with its 44 kVac peak output, is suitable for testing cables rated up to 25 kV. Its high load capacity enables it to test up to over 10 miles (16 km) of cable, depending on type. This model includes a charging current and load capacitance meter, and a center zero peak kilovolt output meter. The two piece construction permits the VLF-4022CM to be more easily transported and stored than others.



Two-piece easy portability



- Input:** 120 volts, 60 Hz, 10 A peak, 5 A average
or 230 volts, 50/60 Hz, 6 A peak, 2.5 A average (F suffix)
- Output:** 0 – 44 kVac peak, 0.1/0.05/0.02 Hz sinusoidal
- Duty:** Continuous
- Load Rating:** 1.1 μ F @ 0.10 Hz: 1 – 2 miles (1.6 – 3.2km) of 15 kV cable
1.5 – 3 miles (2.4 – 4.8km) of 25 kV cable
2.2 μ F @ 0.05 Hz: twice the above distances shown for 0.1Hz
5.5 μ F @ 0.02 Hz: five times the above distances shown for 0.1Hz
- Metering:** Voltmeter: Center Zero -44 – 0 – +44 kVac peak
Charging Current meter: 0 – 100 mA peak
Load capacitance meter: 0 – 6 Microfarads
- Cable Lengths:** Shielded RG/8U output cable - 20 ft. (6 m)
Interconnect cable - 10 ft. (3 m)
- Size & Weight:** Controls: 22" w x 11.25" d x 15.25" h, 50 lbs.
559 mm w x 286 mm d x 387 mm h, 23 kg
HV Tank: 14.5" w x 10.5" d x 19" h, 72 lbs.
368 mm w x 267 mm d x 483 mm h, 33 kg

VLF-6022CM(F)

This model, with its 60-62* kVac peak output, is suitable for testing cables rated up to 35 kV. Its high load capacity enables it to test up to over 15 miles (24 km) of cable, depending on type. This model includes an enhanced features package: a charging current and load capacitance meter, test dwell timer, and polarity indicating lights. The two piece construction permits the VLF-6022CM to be more easily transported and stored than others.



Two-piece easy portability



- Input:** 120 volts, 60 Hz, 15 A peak, 7.5 A average
or 230 volts, 50/60 Hz, 8 A peak, 4 A average (F suffix)
- *Output:** 0-60 kVac peak @ 50Hz, 0.1 Hz - 0.02 Hz, load rated to 5.5 μ F
0-62 kVac peak @ 60Hz, 0.1 Hz - 0.02 Hz, load rated to 5.5 μ F
- Duty:** Continuous
- Load Rating:** 1.1 μ F @ 0.10 Hz: 1 – 2 miles (1.6 - 3.2km) of 15 kV cable
1.5 – 3 miles (2.4 – 4.8km) of 25 kV cable
2 – 4.2 miles (3.2 – 6.8km) of 35kV cable
2.2 μ F @ 0.05 Hz: twice the above distances shown for 0.1Hz
5.5 μ F @ 0.02 Hz: five times the above distances shown for 0.1Hz
- Metering:** Voltmeter: 0-60 kVac peak @ 50Hz, 0-62 kVac peak @ 60Hz
Charging Current meter: 0 – 100 mA peak
Load capacitance meter: 0 – 6 Microfarads
Settable test duration timer
- Cable Lengths:** Shielded EPR output cable - 20 ft. (6 m)
Interconnect cable - 10 ft. (3 m)
- Size & Weight:** Controls: 26" w x 13" d x 16" h, 75 lbs.
660 mm w x 330 mm d x 406 mm h, 34 kg
HV Tank: 15" w x 10.25" d x 21.5" h, 120 lbs.
381 mm w x 260 mm d x 546 mm h, 54 kg

Other Models Available

HVI offers more models and higher voltage models than any other vendor in the world. Models range in voltage from 28kV – 200kV, offering from 0.4 μ F to 50 μ F of load capability.

- VLF-28CM VLF-12011CMF
VLF-50CMF VLF-200CMF
VLF-65CMF VT33 VLF Thumper
VLF-90CMF

Options Available

- Tan Delta Diagnostic Bridge
- Automatic Data Logger
- Hand Truck Mounting
- 100' (30m) cable reels
- MC connector equipped output cable

The HVI VLF technology is protected under U.S. Patent # 6,169,406



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High Voltage, Inc. designs and manufactures high voltage test equipment for utility and industrial applications. Products include VLF AC hipots, fault locators/thumpers, AC and DC hipots, aerial lift testers, HV dividers, oil dielectric testers, and more.