

# AC Dielectric Test Sets – Field & Factory Use

50/60 Hz. - Parallel Resonant - 0.1 Hz. Very Low Frequency

HVI produces many different product lines of **AC Dielectric Testers** to serve the multitude of applications needing AC Withstand or Diagnostic testing, like Partial Discharge and Tan Delta. These lines range from small, portable 1 kVA - 3 kVA hipots to field mobile 15 kVA models to 250 kVA factory models weighing over a ton. Some models are < 5pc in PD output and some are CE marked. Below is a quick look at the product lines.

## PFT Series

The PFT Series are small, lightweight, portable, affordable field use hipots, rated from 10 kVac – 100 kVac @ 1 kVA – 3 kVA. One piece shielded cable output designs available to 50 kVac.

## FPA Series

The FPA Series is designed for field testing motors and generators and other higher capacitance loads. Rated from 6 kVac - 32 kVac @ 6 kVA. Other models are available for traction motors, insulators, and iso-phase bus.

## ALT Series

The ALT Series, although designed for AC voltage testing aerial lifts, is ideal for many substation and apparatus testing applications. The standard models are rated 120/60 kVac, 210/50 kVac, and 300 kVac, all rated for 7 kVA.

## HPA Series

The HPA Series is designed to test higher capacitance loads and offers various control options. Models range from 3 kVac – 300 kVac @ 3 kVA – 40 kVA. Most are custom made. Some are CE marked and low in PD.

## ABT Series

The ABT Series hipots are bench top designs for use in laboratories, factories, and other industrial applications. They are similar to the PFT Series models only packaged differently and with additional features. Ratings are 10 kVac - 100 kVac, 1 kVA - 3 kVA. D149 designs available.

## Two Alternate Technology Product Lines to Consider Resonant Technology & VLF 0.1 Hz.

### PAR Series

The PAR Series are 50/60 Hz. Parallel Resonant designs to test very high capacitance loads, like large motors & generators, MV cables, large apparatus. Models range from 8 kVac – 250 kVac @ 50 kVA – 300 kVA load.

### VLF & VLF E Series

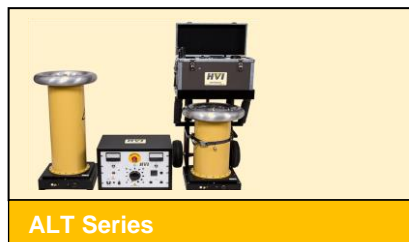
The VLF & VLF E Series are 0.1 Hz. - 0.01 Hz. AC output hipots for testing very high capacitance loads, like MV/HV power cables and large rotating machinery, that would require hundreds of kVA of test power at 50/60 Hz. Very Low Frequency (VLF) AC technology is available from 30 kVac - 200 kVac and able to test loads from 0.1 uF – 50 uF.



PFT Series



FPA Series



ALT Series



HPA Series

ABT Series



PAR Series



VLF E Series

VLF Series