



# PTS Series - DC Hipot & Megohmmeter

## Two High Voltage Testers in One Package

**PTS-300(F): 0-300 kVdc & PTS-600(F): 0-600 kVdc**



Model: PTS-300 0-300 kVdc



Model: PTS-600 0-600 kVdc

### Description

The **PTS Series** of DC test sets are combination high voltage **DC proof testers** and **HV Megohmmeters**. Testing for dielectric strength and insulation resistance is now served with one instrument. The High Voltage, Inc. PTS-300(F) and the PTS-600(F) high voltage test sets are designed as two piece systems with a small, portable controller (a bench top version is available\*\*) and a single piece high voltage section housed in a fiberglass cylinder with a spinning output. Like all HVI products, both are designed to be rugged and reliable and contain all the features needed for electrical maintenance testing of new or service aged electrical apparatus and cable. HVI produces DC hipots from **37.5 kV to 600 kV**, and many other HV test sets, in both AC and DC voltage outputs, including Very Low Frequency (VLF) AC hipots.

### Features & Advantages

Like all High Voltage, Inc. products, the HVDC line is designed with the latest advances in high voltage technology and offers the needed features, superior quality, and higher reliability. Here are some of the features provided:

- Two range voltmeter and five range current meter
- Megohm readings at any output voltage (w/analog meters)
- Insulated Return Guard circuit to bypass stray leakage currents
- Rugged case (field) with cushion grip handles and storage for leads
- Internal discharge resistors to assist external bleed resistors
- External safety interlock provision
- Automatic transit protected meters rated 100 uA for durability
- Benchtop\*\* or field controller available, analog or digital metering



### Specifications

| Model           | PTS-300 (F) & PTS-600 (F)  |                                    |
|-----------------|--|------------------------------------|
| Input           | 120 V, 50/60 Hz, 15A/30A** F: 230 V, 50 Hz, 8A/15A** **w/Bench controls  |                                    |
| Output - 300    | 0 - 300 kVdc @ 5 mAdc w/field controller 10 mA w/benchtop controller     |                                    |
| Output - 600    | 0 - 600 kVdc @ 3 mAdc w/field controller 5 mA w/benchtop controller      |                                    |
| Polarity/Ripple | Negative output, Positive ground. Ripple 2% - 3% depending on model      |                                    |
| Duty            | Continuous, capacitive charging  |                                    |
| Kilovolt Meter  | PTS-300: 0 - 120/300 kVdc, PTS-600: 0 - 300/600 kVdc, +/- 2% FS accuracy |                                    |
| Current Meter   | 0 - 1.0 dc microamps w/x1, x10, x100, x1 k, x10 k, +/- 2% FS accuracy    |                                    |
| Megohmmeter     | 100 - 1 megohms w/x.1, x1, x10, x100, x1k ranges, w/analog meters        |                                    |
| Field Controls  | 14" w x 11" d x 14" h  | 356 x 279 x 356 mm 34 lbs. (15 kg) |
| *Bench Controls | 21" w x 15.5" d x 15" h  | 535 x 395 x 382 mm 70 lbs. (32 kg) |
| HV Tank - 300   | 36" (914 mm) X base, 15" (381 mm) dia. cylinder x 43.5" h (1105 mm h)    |                                    |
| HV Tank - 600   | 36" (914 mm) X base, 15" (381 mm) dia. cylinder x 80.0" h (2036 mm h)    |                                    |
| HV Tank - 300   | 380 lbs. (172 kg)  |                                    |
| HV Tank - 600   | 580 lbs. (263 kg)  |                                    |



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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.