



# PTS-80(F) DC Hipot & Megohmmeter

## Two HV DC Testers in One Package



### Description

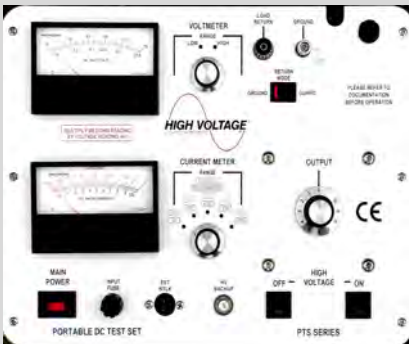
The **PTS Series** of DC test sets are combination high voltage DC proof testers and HV Megohmmeters. Testing for dielectric strength and insulation resistance is now served with one instrument, saving money, size and weight. The PTS-80 (F) is designed and constructed with field use in mind. It is a single piece, cable output instrument that is rugged, reliable and contains all of the features needed for electrical maintenance testing of new or service aged electrical apparatus.

The **PTS-80(F)** can be used as a high voltage DC Proof/Hipot tester to measure DC leakage currents or as a high voltage Megohmmeter to perform Insulation Resistance testing. The output voltage is continuously adjustable and may be used to the full rating for both Hipot and Megohmmeter applications. It may be used to proof test or megohm cable insulation, switchgear, motors, transformers, insulators, generators, aerial lifts, hot sticks, and other electrical apparatus. Its multiple features and 10 mAdc rating make it extremely versatile for field testing applications.

### Features & Advantages

Like all High Voltage, Inc. products, the PTS-80(F) is designed with the latest advances in high voltage technology and offers more features, superior quality, and higher reliability than all others:

- Two range voltmeter and five range current meter
- Output current rated to 10 mAdc
- Megohm readings at any output voltage
- Insulated Return Guard circuit to bypass stray leakage current
- Rugged case with cushion grip handles and storage for all leads
- Internal HV shorting solenoid with discharge resistor



### Specifications

Input	120 V, 60 Hz, 10 A or 230 V, 50/60 Hz, 5 A (F suffix)
Output	0-80 kVdc @ 10 mA, Negative output with positive ground
Duty	Continuous, capacitive charging
Ripple	N/A capacitive load. Less than 2.5% rms resistive load
Kilovoltmeter	0 - 40/80 kVdc
Current Meter (Megohm Scale)	0 - 1.0 dc microamperes, w/ x1, x10, x100, x1k, x10k 100 -1 Megohms, w/ x0.1, x1, x10, x100, x1k
Dimensions and Weight	14" w x 11" d x 18" h, 62 lbs. 356 mm w x 279 mm d x 457 mm h, 28 kg
Output Termination	Shielded cable with clamp and boot - 20 ft. (6 m)
Additional Cables	Input line cord 10 ft. (3 m) Ground stick w/lead and clamp, 20 ft. (6 m) Return & Ground leads w/clamp and boot, 20 ft. (6 m)



HVI DC Testers rated to 600 kVdc



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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.