



PTS Series - DC High Voltage Test Set and Megohmmeter

0 - 100 kV DC hipot and Megohmmeter

The **PTS-100** and **PTS-100F** are combination high voltage DC proof tester and megohmmeter. Dielectric strength and insulation resistance testing are combined into one instrument saving time, money, size and weight. Equipped with a 5-range current meter scaled 0 - 1 dc microamps for accurate current measurement down to a 10 nanoamp resolution in the x1 range. Using the alternate scale on the current meter allows the PTS Series to double as a Megohmmeter up to 10 teraohms, scaled 100-1 megohms, insulation resistance can be taken at any voltage. An accurate 2 range voltmeter rounds out the standard instrumentation. Additional features include ruggedized anti-static and transit protected meters, rugged two piece design with foam padded handles, full-wave bridge rectifier, internal shorting solenoid with discharge resistors, and is CE marked. For other voltage options, please see the rest of our **PTS Series** which range from 15kV to 600kV DC. See our **DBT Series** for bench-top options.

- 20 foot (6 meter) shielded output cable, ground and return leads
- 5 range current/megohm meter for accurate leakage current
- Megohm readings at any output voltage up to 10 teraohms
- Full-wave bridge rectifier
- Internal HV Shorting Solenoid with discharge resistors
- Automatic transit protected meters with Anti-static glass face
- Under lid and HV tank mounted storage for all accessories
- External safety and zero start interlocks

Model	PTS-100
Input	PTS-100 - 120Vac, 60Hz, 10A PTS-100F - 230Vac, 50/60Hz, 5A
Output	0 – 100 kV DC @ 10 mA, negative polarity, positive ground Full Wave Bridge Rectification
Duty	Continuous, capacitive charging
Voltmeter	3.5", scaled 0 – 50/100 kV DC, ±2% F.S.
Current Meter	3.5", scaled 0 – 1.0 µAdc, ±2% F.S. with multipliers of x 1, x 10, x 100, x 1 k, x 10 k. Guard/ground load return
Megohmmeter	Scaled 100 -1 MΩ ±2% F.S. with multipliers of x 0.1, x 1, x 10, x 100, x 1 k
Size & Weight (W x D x H)	Case: 14 x 11 x 14 in., 30 lb. 356 x 279 x 356 mm, 14 kg HV Tank: 9.5 x 11.75 x 14.5 in., 68lb. 241 x 298 x 368 mm, 31 kg
Output Termination	20 ft. (6 m) shielded EPR output cable with alligator clamp EPR cable stays flexible in cold weather
Scope of Supply	20ft EPR shielded output cable, 20ft red test lead, x2 20ft black test leads, 14in safety ground stick, external interlock plug, operations manual, calibration certificate

Optional Accessories

Hand & Foot Safety Switches



PN 90-410

PN 90-405

Safety Ground Sticks



PN 88-150

PN 88-113 * included

Reuseable Shipping Case



PN 32-0395
(Control Section)

PN 32-0396
(HV Section)

Optional Upgrades

3.5 Digit Digital Meters
- Add Suffix "D"

PTS-100
PTS-100F
0 - 100 kV DC, 10 mA

