



PTS Series - DC High Voltage Test Set and Megohmmeter

0 - 600 kV DC hipot and Megohmmeter

The **PTS-600** and **PTS-600F** 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 60 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.

- 5 range current/megohm meter for accurate leakage current
- Megohm readings at any output voltage up to 60 teraohms
- Full-wave bridge rectifier
- Internal HV Shorting Solenoid with discharge resistors
- Automatic transit protected meters with Anti-static glass face
- X2 external 20kohm current limiting resistors
- External safety and zero start interlocks

Model	PTS-600
Input	PTS-600 - 120Vac, 60Hz, 30A PTS-600F - 230Vac, 50/60Hz, 15A
Output	0 – 600 kV DC @ 5 mA with benchtop controller
Duty	Continuous, capacitive charging
Voltmeter	3.5", scaled 0 – 0-300/600kV DC, $\pm 2\%$ F.S.
Current Meter	3.5", scaled 0 – 1.0 μ Adc, $\pm 2\%$ F.S. with multipliers of x 1, x 10, x 100, x 1 k, x 10 k. Guard/ground load return
Megohmmeter	100 – 1 M Ω w/x.1, x1, x10, x100, x1k ranges, w/analog meters
Size & Weight (W x D x H)	Control Case: 21 x 15.5 x 15 in., 70 lb. 535 x 395 x 382 mm, 32 kg HV Tank: 36 x 36 x 89 in., 580 lbs. 914 x 914 x 1105 mm, 263 kg
Output Termination	Top toroid
Scope of Supply	20ft red test lead, x2 20ft black test leads, x2 20kohm external limit resistors, 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

Optional Upgrades

3.5 Digit Digital Meters
- Add Suffix "D"

