



PTS Series - DC High Voltage Test Set and Megohmmeter

0 - 130 kV DC hipot and Megohmmeter

The **PTS-130** and **PTS-130F** 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 13 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 13 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-130 |
|---------------------------|---|
| Input | PTS-130 - 120Vac, 60Hz, 15A PTS-130F - 230Vac, 50/60Hz, 8A |
| Output | 0 – 130 kV DC @ 10 mA, negative polarity, positive ground Full Wave Bridge Rectification |
| Duty | Continuous, capacitive charging |
| Voltmeter | 3.5", scaled 0 – 75/150 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., 34 lb. 356 x 279 x 356 mm, 15 kg HV Tank: 12.25 x 12 x 18 in., 87lb. 311 x 305 x 457 mm, 39 kg |
| Output Termination | 20 ft. (15 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 Only)

Optional Upgrades

3.5 Digit Digital Meters
- Add Suffix "D"



PTS-130 PTS-130F

0 - 130 kV DC, 10 mA

