



PTS-100U - DC Aerial Lift Dielectric Test Set

0 - 100 kV DC Hipot and Megohmmeter

PTS-100U

0 - 100 kV DC, 10 mA

The **PTS-100U** is a CE marked portable DC Hipot equipped with a 50 foot (6 meter) long output cable which is perfect for the dielectric withstand testing of aerial lifts and bucket liners up to 100kV DC per the ASNI 92.2 Standard. The PTS-100U is 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, 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, 2-piece design with foam padded handles, full-wave bridge rectifier, and internal shorting solenoid with discharge resistors. For other voltage options, please see the rest of our **PTS Series** which range from 37.5kV to 600kV DC. See our **DBT series** for bench-top options.

- 50 foot (6 meter) shielded output cable, ground and return leads
- 5 range current/megohm meter for accurate leakage current measurement
- Megohm readings at any output voltage
- Full-wave bridge rectifier
- Internal HV Shorting Solenoid with discharge resistors
- Automatic transit protected meters
- External safety and zero start interlocks

Model	PTS-100U
Input	120 V, 60Hz, 10 A (230 V, 50/60 Hz, 5 A for "F" version)
Output	0 to 100 kV DC @ 10mA, 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 uA DC, ±2% F.S. with multipliers of x 1, x 10, x 100, x 1 k, x 10k Guard/ground load return
Megohmmeter:	Scaled 100 -1 MΩ 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., 68 lb. 241 x 298 x 368 mm, 31 kg
Output Termination	20ft. (6m) shielded EPR output cable with alligator clamp EPR cable stays flexible in cold weather
Scope of Supply	50ft EPR shielded output cable, 50ft red test lead, x2 50ft black test leads, 14in safety ground stick, external interlock plug, operations manual, calibration certificate

PFT Series: Other models are available from 10 kVac – 100 kVac, 1 kVA – 3 kVA

Optional Accessories & Upgrades

Hand & Foot Safety Switches



PN 90-405

PN 90-410

Safety Ground Sticks



PN 88-150 Included

PN 88-113

Optional Upgrades

3.5 Digit Digital Meters - Add Suffix "D"

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