



PFT Series - AC High Voltage Dielectric Test Set

0 – 10 kV AC Power Frequency AC Hipot

The **PFT-103CM / PFT-103CMF** is from our extremely popular PFT Series of field portable AC hipot test sets. These hipots provide continuously adjustable AC voltage typically used to provide a go/no-go, or pass/fail, AC over-voltage Withstand Test on high voltage apparatus, like switchgear, circuit breakers, reclosers, vacuum bottles, hot sticks, bus duct, motors, generators, and any other equipment needing an AC voltage proof test at 10 kV AC and below. The PFT Series offers the most field portable, affordable, and easiest to use AC testers at this voltage and power. A gapped core transformer allows for up to 3 kVA of output power with the draw of only 1.5 kVA so the hipot can be powered by a standard 120Vac or 230Vac input. Equipped with a two-range voltmeter and three-range current meter with guard circuit for precise leakage current measurements. For bench-top requirements we offer our ABT Series. Testing loads that require higher power, see our ALT, FPA, HPA and PAR lines of AC dielectric test sets. For AC testing of cables, please see our VLF Series of very low frequency hipots.

- Convenient one-piece field portable design
- Secondary connected 2 Range Voltmeter: 0 - 5 / 10 kV AC
- 3 Range Current Meter: 0 – 3 mA AC with x1, x10, and x100 multipliers
- Fixed overload set to 120% of variable transformer rated output current
- Transit protected meters prevent meter damage between test sites
- Guard/Ground circuit for accurate leakage current measurement
- 20 ft shielded output and return cables
- Gapped core transformer design for capacitive load compensation
- Zero Start and External safety Interlock provisions

Model	PFT-103CM / PFT-103CMF
Input	(PFT-103CM) 120 V, 60 Hz, 15 A (PFT-103CMF) 230 V, 50/60 z, 8 A
Output	0-10 kV AC, 1 kVA resistive load 3 kVA capacitive load , up to 300 mA current Output current is reduced at lower voltages
Duty	3 kVA: 1 hour ON, 1 hour OFF 1.5 kVA: continuous
Voltmeter	3.5", scaled 0-5/10 kV AC, $\pm 2\%$ F.S.
Current Meter	3.5", scaled 0-3.0 mA, $\pm 2\%$ F.S. with range multipliers of x1, x10, x100 guard/ground load return
Distortion	Less than 5%
Size & Weight (W x D x H)	21 x 11.25 x 15.25 in., 62 lb. 534 x 286 x 387 mm, 28 kg
Output Termination	20 ft. (6 m) shielded EPR output cable with alligator clamp
Scope of Supply	20ft black ground lead, 20ft shielded return cable, external interlock plug, operations manual, calibration certificate

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

Optional Accessories

Hand & Foot Safety Switches



PN 90-410



PN 90-405

Safety Ground Sticks



PN 88-150



PN 88-113

Optional Upgrades

- Digital Metering – Add Suffix "D"
- Fault Burn Reactor – Add Suffix "B"

PFT-103CM PFT-103CMF

0 - 10 kV AC @ 300 mA AC, 3 kVA

