



PFT Series - AC High Voltage Dielectric Test Set

0 – 30 kV AC Power Frequency AC Hipot

PFT-303CM / PFT-303CMF

0 - 30 kV AC @ 100 mA AC, 3 kVA

The **PFT-303CM / PFT-303CMF** 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**, and any other equipment needing an AC voltage proof test at 30 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 - 15 / 30 kV AC
- 3 Range Current Meter: 0 – 1 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-303CM / PFT-303CMF
Input	(PFT-303CM) 120 V, 60 Hz, 15 A (PFT-303CMF) 230 V, 50/60 Hz, 8 A
Output	0-30 kV AC, 1 kVA resistive load: 3 kVA capacitive load Up to 100 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 0-15/30 kV AC, ±2% F.S.
Current Meter	3.5", scaled 0-1 mA, ±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., 75 lb. 534 x 286 x 387 mm, 34 kg
Output Termination	20 ft. (6 m) shielded EPR output cable with alligator clamp Remains flexible in cold weather

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”

