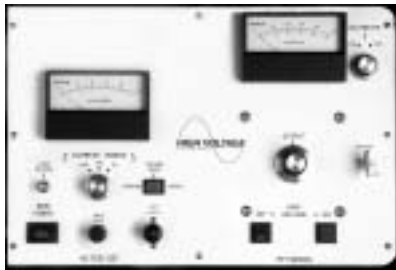


Portable AC Hipot Test Sets

0-10 kVac, 0-30 kVac, 0-50 kVac and 0-100 kVac



Model PFT-503 CM
(0-50kVac)



Control Panel



Model PFT-1003 CM

Description

The PFT Series of portable AC hipot test sets are ideal for a variety of field and repair shop testing applications. These inexpensive, compact and light weight units are rugged and reliable. They feature capacitive load compensation enabling testing of a 3 kVA load with a power draw of 1.5 kVA while operating from a conventional line input.*

Applications

These units are well suited for testing overhead apparatus, vacuum bottles and interrupters, switch gear, bus duct, motorized vacuum switches, reclosers, bushings, fuses and arrestors, linemans safety products, small transformers, electrical components and motors.

For AC cable testing, we offer a variety of Very Low Frequency AC hipots. These units are well suited for testing long cable lengths. Please contact our sales office for more information.

Control Features

Control features include a dual range kilovoltmeter, triple range output current meter, continuously adjustable output voltage control, external safety interlock, zero start safety interlock, self resetting over current protection, guard/ground return mode, HV on/off and main power pushbuttons and ruggedized meters with glass windows that eliminate static buildup.

An optional fault burning mode is available for all models and for increased portability, a hand cart option is available for the PFT-1003CM.

Models Available

We offer three single piece, 18 ft. shielded output cable models: PFT-103CM, PFT-303CM and PFT-503CM and a two piece PFT-1003CM. In addition, we offer an ALT-120/60 that is specialized for Aerial Lift and Bucket Truck testing applications and suitable for general AC high voltage testing applications. Custom models are available from 10kVac to 300kVac output.



HIGH VOLTAGE, INC.

Factory: 31 Rt. 7A • P.O. Box 408 • Copake, NY 12516 • (518) 329-3275 • Fax: (518) 329-3271 • E-Mail: factory@hvinc.com • Web: www.hvinc.com

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High Voltage, Inc. designs and manufactures high voltage test equipment for utility and industrial applications. Also available are Very Low Frequency (VLF) high voltage AC test sets, DC power packs, AC and DC instrumented test sets, cable fault locators and other products.

Portable AC Hipot Test Sets

	PFT Model Specifications			
	PFT-103CM	PFT-303CM	PFT-503CM	PFT-1003CM
Input	120 V, 15 amps, 50/60 Hz, 230 V. 8 amps, 50/60 Hz (F Suffix)			
HV Output	0-10kVac, 1kVA resistive load 3kVA capacitive load 300 mA current	0-30kVac, 1kVA resistive load 3kVA capacitive load 100 mA current	0-50kVac, 1kVA resistive load 3kVA capacitive load 60 mA current	0-100kVac, 1kVA resistive load 3kVA capacitive load 30 mA current
Output Termination	18 ft. long shielded output cable with alligator clamp and hook for test connections			Top Toroid
Duty	3kVA: 1 hour ON, 1 hour OFF 1kVA: continuous			
Distortion	<5%			
Meter Accuracy	2% F.S.			
Kilovolt Meter	3.5 inch Scaled 0-5/10kVac (RMS)	3.5 inch Scaled 0-12/30kVac (RMS)	3.5 inch Scaled 0-25/50kVac (RMS)	3.5 inch Scaled 0-50/100kVac (RMS)
Current Meter	3.5 inch Scaled 0-3.0 mA, with x1, x10 x100 Range Multiplier	3.5 inch Scaled 0-1.0 mA, with x1, x10, x100 Range Multiplier		
Control Case Size	20" w x 11.25" d x 15.25" h 508 mm w x 286 mm d x 387 mm h			
H.V. Tank	High Voltage Tank included in controls			13" w x 13" d x 22" h 330 mm w x 330 mm d x 559 mm h
Weight	62 lbs. (28kg)	75 lbs. (34kg)	75 lbs. (34kg)	Control-35 lbs. (16kg) HV Tank-85 lbs. (39kg)

Advantages

Models below 100kVac are single piece units with a shielded cable output for fast and easy test setup. All units are compensated enabling testing of 3 kVA loads with a power draw of 1.5 kVA and operate from a conventional electrical source*. In addition, these units include a dual range kilovolt meter, triple range output current meter and a guard/ground return mode enabling the operator to measure the total current to ground or only the current flowing through the sample under test.

*3 kVA output power is only available with a capacitive load sized to draw 3 kVA at full rated output. Available output current decreases with other loads.

Our Company and Our Products

High Voltage, Inc. manufactures the most advanced test equipment available for high voltage proof and preventive maintenance testing of electrical apparatus. All of our products are newly designed to meet the present day needs of utilities, industrials, and testing services. Our products offer features and specifications not found elsewhere. Our products include unique, sine-wave output **Very Low Frequency (VLF) AC Hipots, DC Insulation/HV Megohmmeter Test Sets, Aerial Lift Testers, AC Hipots, Cable Thumpers & Radars and AC Dielectric Oil Testers.**

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