

30/60 HVT Series

AC Hipot Testers

■ **The HVT Series** AC hipot testers are an economical solution to AC field-testing of vacuum interrupters, breakers, switchgear, and other electrical apparatus. Models 30HVT and 60HVT offer 30kV or 60kV respectively. Both models are handcart mounted for portability and come complete with input line cord, interconnecting cable and ground leads.

The 30HVT and 60HVT series test sets are specifically designed to perform quick and accurate AC dielectric tests. The HVT series assures accurate voltage measurements using an internal high voltage divider, rather than less accurate primary metering. The HVT series also features a triple range current meter in the return leg of the high voltage transformer for accurate current measurements. A guard circuit prevents stray or surface leakage from being measured by the current meter. To ensure safe operation the unit is equipped with a fast acting circuit breaker, zero start interlock and provision for an external interlock.



Features

- ✓ **Compact portable** hand cart design
- ✓ **Zero start** interlock
- ✓ **Single end grounded** high voltage test transformer
- ✓ **Separate guard** and return
- ✓ **Metering accuracy** $\pm 2\%$ full scale
- ✓ **Internal** high voltage divider
- ✓ **Triple range** voltmeter
- ✓ **Triple range** current meter
- ✓ **Fast acting** overload circuit breaker
- ✓ **External** interlock provision

Benefits

Ideal for field testing – compact, lightweight and rugged makes it suitable for field orientated applications

Operator Safety – zero start and external interlock prevents high voltage from being energized until operator is ready

Simple to Use - a minimal amount of setup time and a simple control panel allows simple testing every time

Accurate Leakage Current Measurement - while guard circuit eliminates stray leakage currents

Applications

AC Hipot testing of:

- Vacuum bottles
- Vacuum interrupters
- Switchgear
- Hot sticks
- Blankets
- Ropes
- Gloves
- Hydraulic hose

Technical Specifications

General	30HVT	60HVT
Input Voltage	120 V, 50/60 Hz 230 V, 50/60 Hz	for -A version for -B version
Output Voltage	0 -30kV	0 - 60 kV
Output Current	10 mA	10 mA
Voltmeter	0-6/12/30kV	0-12/30/60kV
Current Meter	0-.250/1/10mA	0-.250/1/10mA
Meter Accuracy	± 2% full scale accuracy	

Weights and Dimensions

30HVT: 17.4"W x 14.5"D x 31.9"H (441 x 368 x 810mm)	Unit weight, 82lbs (37kg), Shipping weight, 175lbs (80kg)
60HVT: 17.4"W x 14.5"D x 31.9"H (441 x 368 x 810mm)	Unit weight, 97lbs (44kg), Shipping weight, 196lbs (89kg)

Scope of Supply

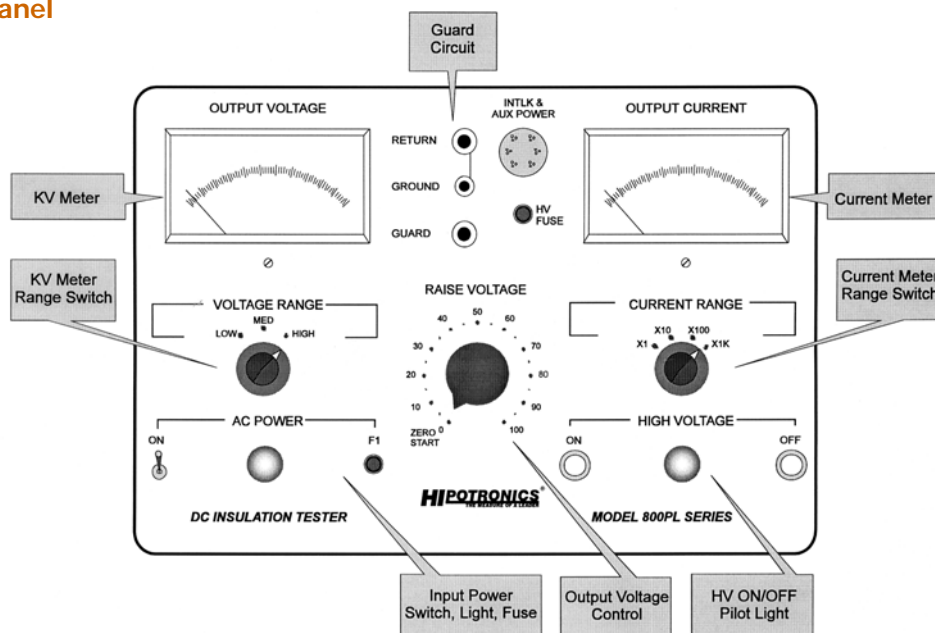
- Qty. 1 AC HV Tank with 25 feet (7.6m) interconnecting cable
- Qty. 1 Input Line Cord, wire & plug, grounded type 6 feet (1.8 m)
- Qty. 2 Return/ground lead, 25 feet (7.6 m)
- Qty. 2 Shielded interconnecting cable for output current and volt metering 25 feet (7.6m)
- Qty. 1 Interlock Plug
- Qty. 1 Calibration Certificate
- Qty. 1 User's Manual

Ordering Information

System	
30kV, 10mA	30HVT-A or 30HVT-B
60kV, 10mA	60HVT-A or 60HVT-B

Accessories	
Spare Parts Kits	SPK1-30HVT or SPK1-60HVT

Control Panel



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