



**HIPOTRONICS**  
THE MEASURE OF A LEADER

## 100 HVT Series AC Hipot Tester

### FEATURES

- Continuously adjustable output from zero to full voltage
- Compact design
- Single end grounded high voltage test transformer
- Separate guard and return
- Triple range current meter
- Triple range voltmeter
- Hand cart mounted
- Zero start interlock
- External interlock provision
- Input power circuit breaker
- Fast acting circuit breaker
- 50 kV tap for bucket liner testing.

### BENEFITS

- Test to ANSI/SIA A92.2 1990 specifications
- Ideal for any high voltage AC insulation test requirements
- Portable, for use in the field
- Safe and easy operation
- Low leakage current measurements
- Guard circuit eliminates stray leakage current

### APPLICATIONS

- Aerial platform hipotting
- Bucket truck hipotting
- Hot stick testing
- Rotating machinery testing
- Any high voltage AC test requirement (within current limitations)

### DESCRIPTION

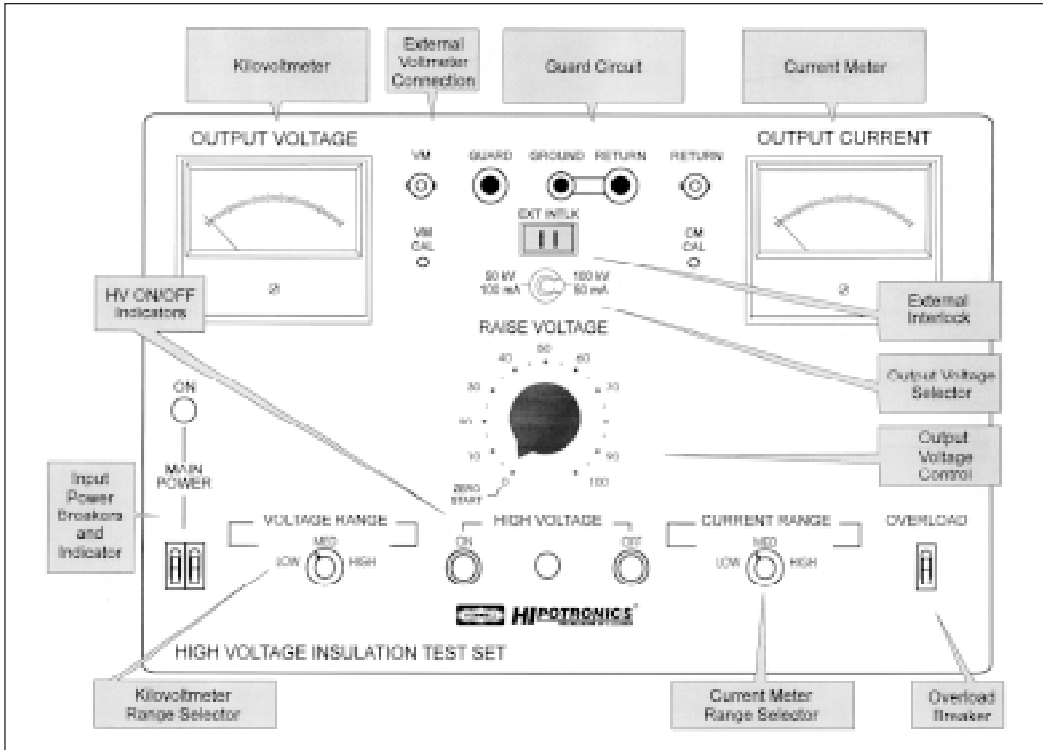
The 100 HVT Series AC test sets are specifically designed to perform quick and accurate AC dielectric tests.

The 100 HVT has a maximum output of 100 kV at 50 mA or 50 kV at 100 mA. This test set can be used for testing bucket trucks and aerial platforms, hot sticks, blankets, ropes or any other high voltage AC test requirement. They are particularly suitable for meeting test procedures of the ANSI/SIA A92.2 1990 specification applied to the insulating boom of work platforms and bucket trucks.

A triple range current meter enables low current readings of 0 to 1/10/100 mA on the 100 HVT. A triple range voltmeter is connected directly across the output for maximum accuracy. The 100 HVT has a 50 kV tap that is used for bucket liner testing and other low voltage, high current test requirements.



*Model 100 HVT  
AC Hipot Tester*



100 HVT Front Panel Layout

## SPECIFICATIONS

<b>INPUT VOLTAGE</b>	Model number suffix - A Model number suffix - B	120VAC, 60 Hz 220VAC, 50/60 Hz
<b>MODEL</b>	<b>100HVT</b>	
<b>OUTPUT</b>	100 kV @ 50 mA = 5 kVA/50 kV @ 100 mA = 5 kVA	
<b>CURRENT METER</b>	Triple range 0 to 1/10/100 mA	
<b>VOLTMETER</b>	Triple range 0 to 25/50/100 kV AC	
<b>DUTY CYCLE</b>	5 minutes on, 15 minutes off, repeated 6 times, then off for 2 hours	
<b>OUTPUT TERMINATION</b>	High Voltage Toroid	
<b>METER ACCURACY</b>	± 2% of Full Range	
<b>DISTORTION</b>	Less than 5% of sinusoidal wave	
<b>CABLES</b>	25' (7.6 meters) Controller to HV Tank with Plug Connection (2) 25' Shielded Cable for Return and Voltmeter (2) 25' Guard/Ground Cable 10' (3 meters) Input Power Cable	
<b>DIMENSIONS</b>	17.4"W x 14.5"D x 31.9"H (441 x 368 x 810 mm)	
<b>NET WEIGHT</b>		
<b>HV SECTION</b>	135 lb (61 kg)	
<b>CONTROLS</b>	62 lb (28 kg)	
<b>COMPLETE UNIT</b>	240 lb (109 kg)	
<b>SHIP WEIGHT</b>	306 lb (139 kg)	

For further information, contact:

### Hipotronics, Inc.

A Subsidiary of Hubbell, Incorporated  
Route 22, P. O. Box 414  
Brewster, NY 10509, U.S.A.

**1-800-727-4476**

Tel: 914-279-8091

Fax: 914-279-2467

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NOTE: Because Hipotronics has a policy of continuous product improvement, it reserves the right to change design and specifications without notice.



**HIPOTRONICS**  
THE MEASURE OF A LEADER

## 120 HVT Series AC Hipot Tester

### FEATURES

- Continuously adjustable output from zero to full voltage
- Compact design
- Single end grounded high voltage test transformer
- Separate guard and return
- Triple range current meter
- Triple range voltmeter
- Hand cart mounted
- Zero start interlock
- External interlock provision
- Input power circuit breaker
- Fast acting circuit breaker
- Secondary overload relay - excessive (>10 mA) leakage current or flashover shuts high voltage off.

### BENEFITS

- Test to ANSI/SIA A92.2 1990 specifications
- Ideal for any high voltage AC insulation test requirements
- Portable, for use in the field
- Safe and easy operation
- Low leakage current measurements
- Guard circuit eliminates stray leakage current

### APPLICATIONS

- Aerial platform hipotting
- Bucket truck hipotting
- Hot stick testing



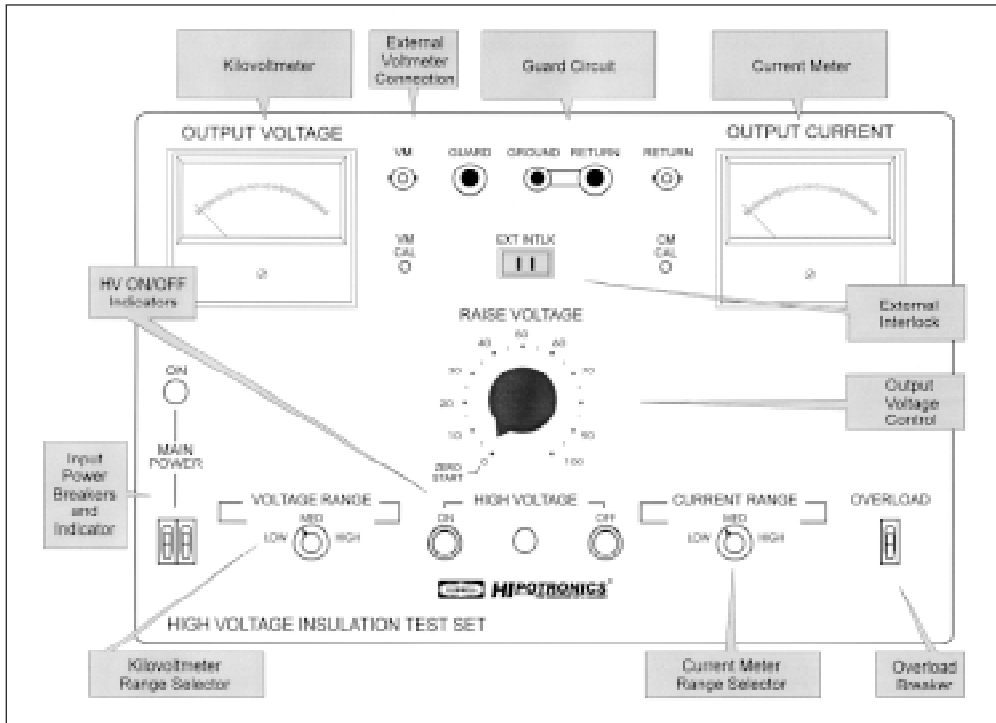
*Model 120 HVT  
AC Hipot Tester*

### DESCRIPTION

The 120 HVT Series AC test sets are specifically designed to perform quick and accurate AC dielectric tests.

The 120 HVT has a maximum output of 120 kV at 10 mA. This test set can be used for testing bucket trucks and aerial platforms, hot sticks, blankets, ropes or any other high voltage AC test requirement. They are particularly suitable for meeting test procedures of the ANSI/SIA A92.2 1990 specification applied to the insulating boom of work platforms and bucket trucks.

A triple range current meter enables low current readings of 0 to 250 microamp/1/10 mA on the 120 HVT. A triple range voltmeter is connected directly across the output for maximum accuracy.



120 HVT Front Panel Layout

## SPECIFICATIONS

<b>INPUT VOLTAGE</b>	Model number suffix - A	120VAC, 60 Hz
<b>MODEL</b>	<b>120HVT</b>	
<b>OUTPUT</b>	120 kV, 10 mA	
<b>CURRENT METER</b>	Triple range 0 to 250 $\mu$ A, 0 to 1 mA, 0 to 10 mA	
<b>VOLTMETER</b>	Triple range 0 to 30/60/120 kV AC	
<b>DUTY CYCLE</b>	5 minutes on, 15 minutes off, repeated 6 times, then off for 2 hours	
<b>OUTPUT TERMINATION</b>	High Voltage Toroid	
<b>METER ACCURACY</b>	$\pm$ 2% of Full Range	
<b>DISTORTION</b>	Less than 5% of sinusoidal wave	
<b>CABLES</b>	25' (7.6 meters) Controller to HV Tank with Plug Connection (2) 25' Shielded Cable for Return and Voltmeter (2) 25' Guard/Ground Cable 10' (3 meters) Input Power Cable	
<b>DIMENSIONS</b>	17.4"W x 14.5"D x 31.9"H (441 x 368 x 810 mm)	
<b>NET WEIGHT</b>		
<b>HV SECTION</b>	135 lb (61 kg)	
<b>CONTROLS</b>	62 lb (28 kg)	
<b>COMPLETE UNIT</b>	240 lb (109 kg)	
<b>SHIP WEIGHT</b>	306 lb (139 kg)	

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