



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

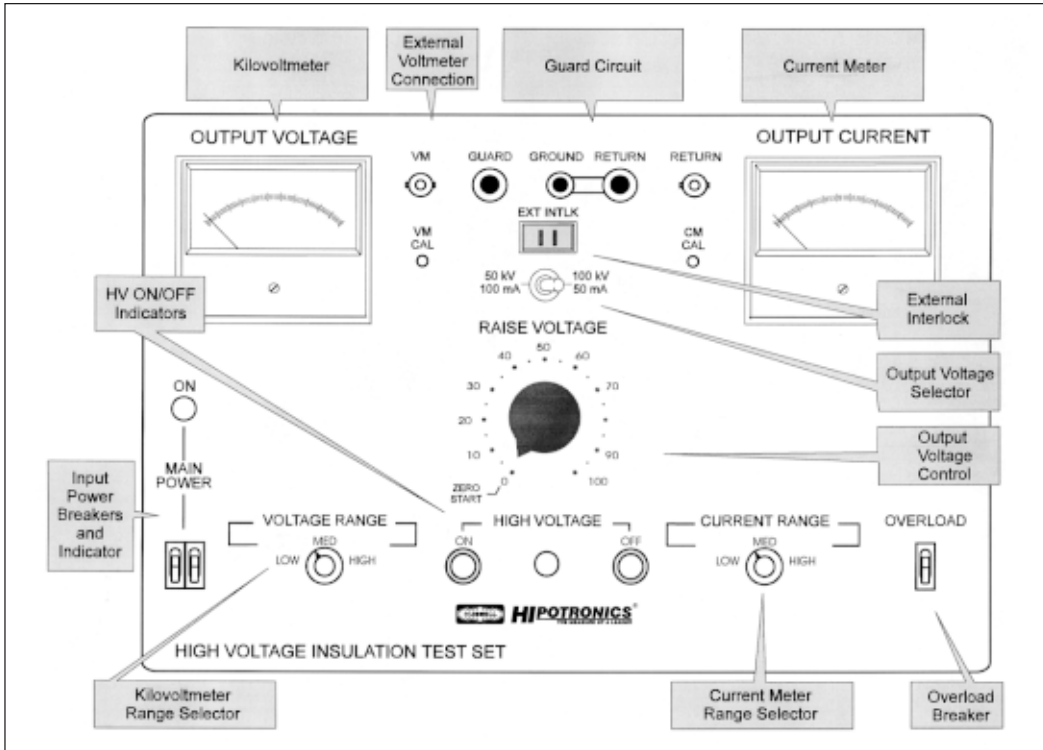
The 100 HVT Series AC test sets are specifically designed to perform quick and accurate AC dielectric tests.

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

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

For further information, contact:

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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.