



**HIPOTRONICS**<sup>®</sup>  
THE MEASURE OF A LEADER

## HD100AUTO Series Hipot Testers

### FEATURES

- Automatic test cycle
- Adjustable voltage set point
- Digital dwell timer
- Variable rate of rise
- Digital memory kilovoltmeter
- AC and DC Hipot combined in one unit
- Rack mountable

### BENEFITS

- Safe and easy operation
- Consistent repeatable application of test procedure
- Reliable test results
- No operator intervention required
- Test to UL, CSA, IPC, VDE, IEC, MIL, BSI, BAPT and other standards for dielectric withstand
- Results stored for later retrieval
- No need to purchase separate AC and DC units

### APPLICATIONS

The most common applications are for testing of:

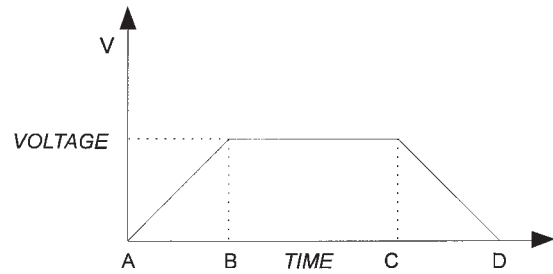
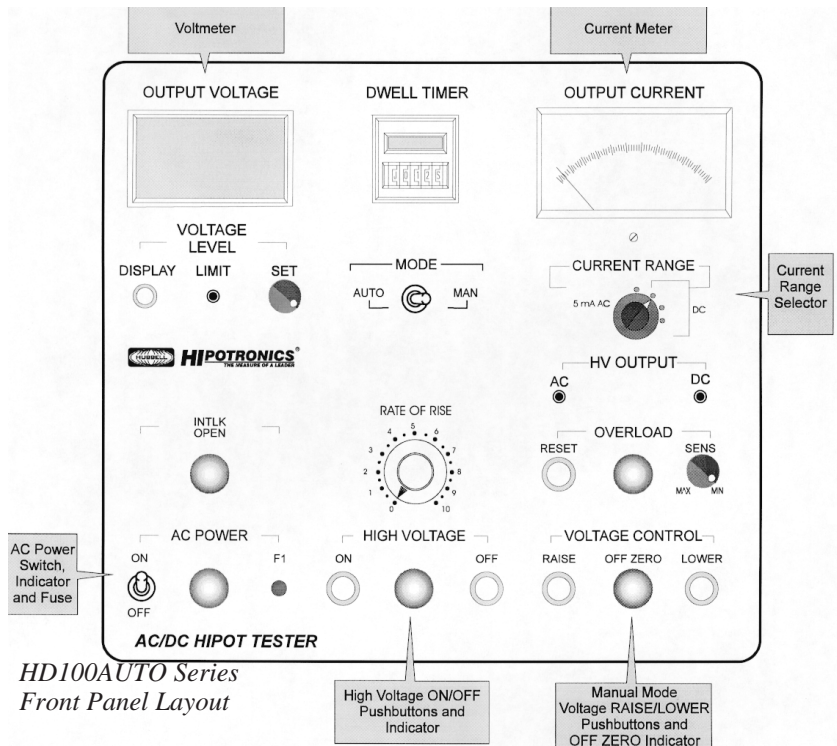
- Wire and cables
- Capacitors
- Transformers
- Coils and inductors
- Motors
- Connectors
- Switches and relays



Model HD100AUTO  
AC/DC Hipot

### DESCRIPTION

The HD100AUTO Series of AC/DC Hipot Testers performs automatic production AC and DC dielectric withstand (hipot) tests. These benchtop instruments are designed to test electrical system components in a cost-efficient and reliable manner.



POINT	AUTOMATIC MODE - SEQUENCE OF OPERATION
A	High voltage activated — Voltage begins to rise
B	Preset limit is reached — dwell timer turns on
C	Dwell timer times out — voltage regulator begins to lower
D	Voltage output reaches zero

Sequence of Operation

HD100AUTO Series  
Front Panel Layout

## SPECIFICATIONS

<b>INPUT VOLTAGE</b>	Model number suffix - A	120V, 60 Hz		
	Model number suffix - B	220V, 50 Hz		
<b>MEMORY KILOVOLT METER</b>	3½ digit LED Display; Single Range; ± 2% Full Range Accuracy, from (10-100)% Range			
<b>CURRENT METER</b>	4½" Analog Meter; 3-Range DC, 1-Range AC; ± 2% Full Scale Accuracy			
<b>OUTPUT CURRENT METER RANGE</b>	0-5 mA AC, 0-50/500/5000 uA DC			
<b>OVERLOAD SENSITIVITY</b>	Adjustable from 50uA - 5mA			
<b>DIGITAL DWELL TIMER RANGE</b>	0.1 seconds - 9,990 hours			
<b>TERMINATIONS</b>	High Voltage Lead - One 5 ft. long RG8/U with alligator clip accessible via the rear panel Ground Lead - One 5 ft. long insulated test lead with alligator clip accessible via the rear panel			
<b>MODEL NO.</b>	<b>OUTPUT VOLTAGE (kV)*</b>	<b>RATE OF RISE (VOLTS/SEC)**</b>	<b>NET WEIGHT</b>	<b>SHIP WEIGHT</b>
HD103AUTO	0-2.5 AC    0-3.0 DC	20 - 200	92 lb. (42 kg.)	117 lb. (53 kg.)
HD106AUTO	0-5.0 AC    0-6.0 DC	40 - 400	95 lb. (43 kg.)	120 lb. (56 kg.)
HD115AUTO	0-12.5 AC   0-15.0 DC	100 - 1,000	98 lb. (44 kg.)	123 lb. (57 kg.)
HD125AUTO	0-10.0 AC   0-25.0 DC	166 - 1,660	106 lb. (48 kg.)	131 lb. (61 kg.)
HD140AUTO	0-15.5 AC   0-40.0 DC	266 - 2,660	111 lb. (50 kg.)	136 lb. (63 kg.)
<b>DIMENSIONS</b>	21.25"W x 20.25"H x 19.5"D (54 x 51 x 50 cm)			

\* DC Output Voltage is negative with respect to ground.

\*\* Please consult factory for other rate of rise ranges available.

## ACCESSORY

- SAFETY TEST CAGE – Eliminates user exposure to high voltage during testing. The interlocked test cage door shuts off high voltage if the door opens. Catalog No. TC-25.
- SPARE PARTS KITS: SPK1-HD103AUTO, SPK1-HD106AUTO, SPK1-HD115AUTO, SPK1-HD125AUTO, SPK1-HD140AUTO

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: 845-279-8091

Fax: 845-279-2467

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