



## KEY SAFETY FEATURES

- RECESSED, LOCKING HIGH VOLTAGE CONNECTION — Minimizes user accessibility to high voltage. Also prevents the output lead from being removed from the high voltage outlet.
- INTERLOCK PROVISION — Allows easy installation of any type of safety switch into the control circuitry. Breaking circuit will disable the high voltage output.
- OVER CURRENT PROTECTION with Manual Reset — Protects the test object from excess current levels by rapidly shutting down the high voltage. The overload sensitivity is continuously adjustable to handle various test loads.
- GRAVITY OPERATED SOLENOID — Discharges the object under test when a failure occurs in the object or when the power is turned off.
- AUDIBLE/VISUAL ALARMS — The audible and visual alarms provide a clear indication of an overload situation or a go/no-go failure.
- GUARD CIRCUIT — Allows user to bypass unwanted stray leakage currents from being detected by the current meter.
- OUTPUT CONNECTED VOLTMETER — Ensures accurate voltage measurement regardless of output loading.



**HIPOTRONICS**  
THE MEASURE OF A LEADER

## 300 Series AC/DC Hipot Insulation Tester & Megohmmeter



Model H306B  
Hipot Tester

## BENEFITS

- THREE TESTS IN ONE UNIT — AC hipot, DC hipot and megohmmeter
- MEETS INDUSTRY SPECIFICATIONS — Tests to many UL specifications as well as many CSA, VDE, IEC, MIL, IPC and other industry standards
- EASILY ACCESSIBLE FRONT PANEL CONTROLS — Provided for greater flexibility
- RACK MOUNTABLE — Easy installation into a 19" rack with cabinet removed
- NIST TRACEABILITY — All meters are traceable to The National Institute of Standards and Technology

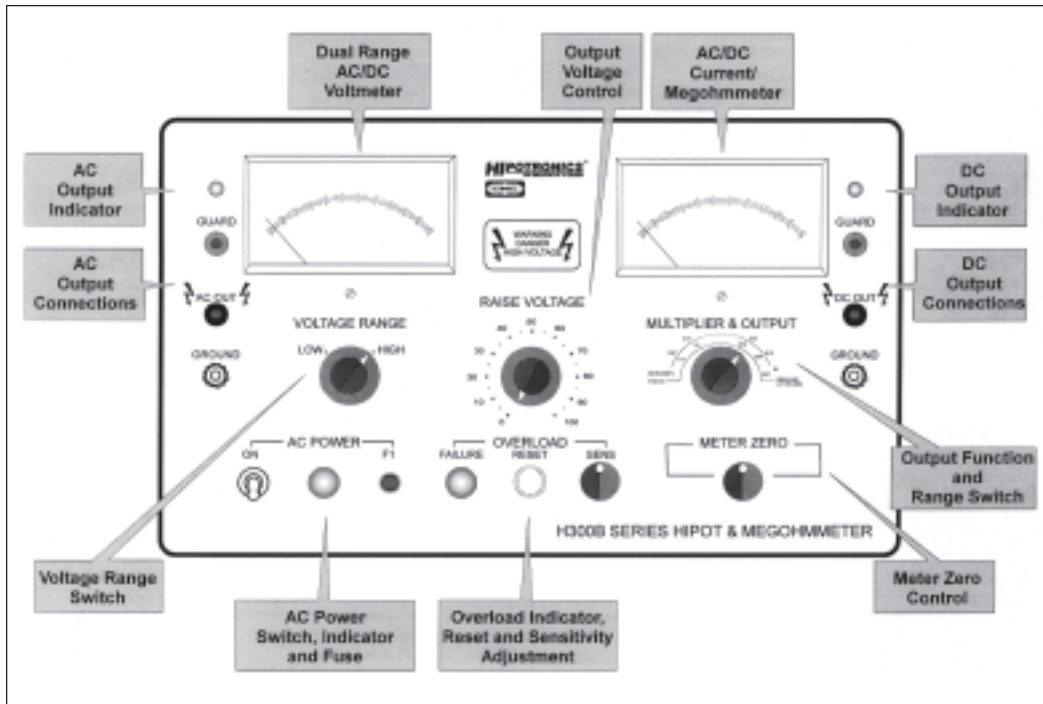
## APPLICATIONS

Perform routine production tests on:

- wires and cables
- printed circuit boards
- connectors
- coils
- switches
- capacitors
- motors
- bushings

## DESCRIPTION

The 300 Series AC/DC Hipot and Megohmmeter is an accurate bench type instrument designed to perform insulation tests on all types of electrical system components, assemblies and apparatus. They are designed for ac dielectric tests, dc dielectric tests and insulation resistance measurements with direct megohmmeter readings at 500 V dc output. These testers are popular in the laboratory environment due to the highly sensitive DC current meter and easily accessible front panel controls. They are also popular in production applications due to the rugged construction and ease of use.



300 Series  
Panel Detail

## SPECIFICATIONS

<b>INPUT VOLTAGE</b>	Model number suffix -A	120 V / 60 Hz
	Model number suffix -B	220 V / 50 Hz
<b>MODEL</b>	<b>H301B</b>	
<b>MAXIMUM* OUTPUT VOLTAGE</b>	1.0 kV ac    1.5 kV dc	5.0 kV ac    6.0 kV dc
<b>VOLTMETER RANGE</b>	0-.75/1.5 kV	
<b>OUTPUT CURRENT METER RANGE</b>	0-5 mA ac, 0-0.5/5/50/500/5000 $\mu$ A dc	
<b>METERS</b>	4½" meter, $\pm$ 2% full scale accuracy	
<b>OVERLOAD SENSITIVITY</b>	Adjustable from 0.5 mA to 5.5 mA	
<b>MEGOHM RANGES (at 500 V dc): Multiplier Position M<math>\Omega</math> Range</b>	X 0.1 0.1 to 10	X 1 1 to 100
	X 10 10 to 1000	X 10 <sup>2</sup> 100 to 10,000
		X 10 <sup>3</sup> 1,000 to 100,000
<b>TERMINATIONS</b>	High voltage lead - 5 ft. long shielded high voltage test lead (RG58/U) with alligator clip. Ground lead - 5 ft. long insulated test lead with alligator clip.	
<b>DIMENSIONS</b>	21" W x 20" D x 11" H (53 x 51 x 28 cm)	
<b>WEIGHT</b>	<b>Net</b>	49 lb (22 kg)
	<b>Ship.</b>	59 lb (27 kg)

\*DC output voltage is negative with respect to ground.

## ACCESSORIES

- Safety Test Cage -The interlocked test cage door shuts off high voltage if the door opens. Catalog No. TC-25
- Retractable Test Probe -The spring loaded, pistol-like probe exposes high voltage only when the voltage is to be applied to the object under test. Catalog No. HTP-R
- Fixed Test Probe -Allows easy application of the high voltage to the object under test. Catalog No. HTP-F
- Spare Parts Kit -Catalog No. SPK1-H301B, SPK1-H306B

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

Website: [www.hipotronics.com](http://www.hipotronics.com)

E-mail: [sales@hipotronics.com](mailto:sales@hipotronics.com)

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