

## IEEE-488 Bus-Compatible Hipot Test System Model M150AC

### Safe, Fast, Efficient

#### Fully programmable test parameters

- Digital Display
- Resolution of programmable test parameters is 0.5%
- Performs an AC dielectric strength (Hipot) test concurrent with a ground continuity test
- Applies a test potential of up to 5000 VAC at 50 milliamps (user programmable)
- IEEE-488 BUS-compatible — enables data logging during each test, and remote programming of:
  - Test Voltage
  - Test Time
  - Voltage Ramp Rate
  - Real Current Trip Point
  - Total Current Trip Point
  - Under Current Trip Point
- Detects and indicates the following events:
  - Test Ready (Security Chassis Ground Sensed)
  - Test in Progress
  - Test Passed
  - Test Failed:
    - Arcing
    - Excessive Total Leakage Current
    - Excessive Resistive Leakage Current
    - Under Current
    - Lack of adequate Chassis Ground
- Performs tests in full compliance with UL, VDE, BSI, IEC, CSA, and other test standards



### Superior Safety Features

- Visual and Audible alert indicating Hipot test in progress
- Low Current Security Chassis Ground Circuit (ensures Device Under Test has ground connection of 0.5Ω between chassis and power cord ground pin)
- Fast HV shutdown within 2 milliseconds of HV test automatically on test failure or on command

# Specifications



## IEEE-488 BUS PROGRAMMING

The Model M150AC Hipot Test System, when operated via the Model M1088C IEEE-488 BUS INTERFACE, functions as both a "Talker" (T) and a "Listener" (L) in conjunction with the following signals:

- Output Voltage (T/L)
- Output Voltage Ramp Rate (L)
- Test Time (L)
- Total Current Trip Point (L)
- Total Current Magnitude (T)
- Real Current Trip Point (L)
- Real Current Magnitude (T)
- Under Current Trip Point (L)
- Test Status
  - Ready (T)
  - In-Progress (T)
  - Passed (T)
  - Failed (T)
- Type of Failure (T)
- Start (L)
- Stop (L)
- Reset (L)

These signals can also be controlled using any controller capable of inputting and outputting digital and analog signals.

<b>Output Test Voltage</b>	* 100 VAC-5K VAC
<b>Output Voltage Ramp Time</b>	* 50 V/sec to 5k V/sec
<b>Total Current Trip Point</b>	* 50 mA (maximum)
<b>Real Current Trip Point</b>	* 5 mA (maximum)
<b>Under Current Trip Point</b>	* 5 mA (maximum)
<b>Test Time</b>	* 1 sec - 100 sec
<b>Shutdown Time</b>	2 milliseconds
<b>Arc Detection</b>	Arc duration 10 $\mu$ S or greater
<b>Ground Continuity</b>	Low current (1.5 Amp @ 1.5V)
<b>Input Power Required</b>	115/230 VAC $\pm$ 10%, 47-63 Hz 250 watts maximum 30 watts typical
<b>Dimensions</b>	16.75" x 7.00" x 18.38" (43cm x 18cm x 47cm)
<b>Weight</b>	40 lbs (18 kg) Net 45 lbs (20 kg) Shipping
<b>Color</b>	Mint Grey/Black
	* User Programmable

## OPTIONS/RELATED PRODUCTS

- 15 — Rack Mounting
- 24 — Black Front Panel (Receptacle and/or Start)
- M1088 IEEE BUS INTERFACE — Provides simultaneous IEEE 488 BUS Interface capability for up to five (5) Rod-L Testers



415 322 0711  
Outside Calif. 800 548 6305  
FAX: 415 326 1993

90040-07

