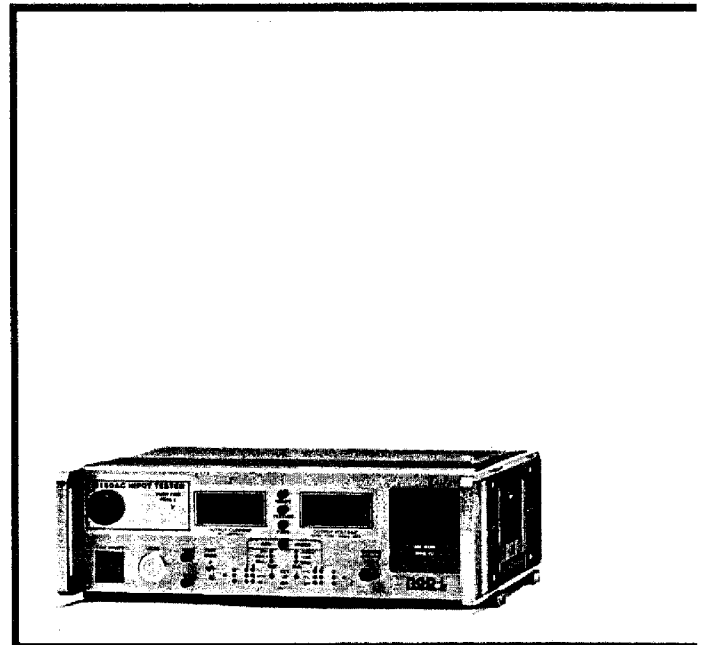


IEEE-488 Bus-Compatible Hipot Test System Model M150AC

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

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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.

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

OTHER ROD-L PRODUCTS

- M100/M500 Series — AC Hipot Test Instruments
- M100DC — DC Hipot Test Instrument
- M120DC — DC Hipot Test Instrument
- M25 — 25 Amp Ground Continuity Test Instrument
- M30 — 30 Amp Ground Continuity Test Instrument
- M300RT — DC Insulation Resistance Test Instrument
- M450 — Leakage Current Test Instrument
- M650 — High Voltage Switching Matrix
- M900 — International Receptacle Adaptor
- M950 — Hands-Off Controller
- M1088 — IEEE 488 Bus Interface Adaptor
- M2000 Series — Safety Control Cabinet
- ML11, 12 — Test Loads
- MP21 — Probe

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