



HD100 Series AC/DC Hipot

Hipot Insulation Testers

■ **The HD100 Series AC/DC Hipots** are accurate, durable instruments designed to perform hipot tests on all types of electrical products, system, and components. They are simple to operate and designed for use by unskilled or semi-skilled personnel in production testing.

The AC/DC output configuration eliminates the need for purchasing separate AC and DC hipots. Output connected voltmeter ensures accurate voltage measurements regardless of output loading. They are capable of testing to most industry specifications such as UL, CSA, VDE, IEC, and MIL for dielectric withstand testing.

HD100 Series AC/DC Hipot Tester



Features

- ☑ **Continuously adjustable test voltage** from zero to rated voltage
- ☑ **Shielded output** cable
- ☑ **Adjustable Overload** from 10 to 110% of rated current output
- ☑ **Audible/Visual alarms** provide a clear indication of overload situation
- ☑ **Zero start interlock** ensures that the voltage control is at zero before HV can be energized
- ☑ **Shorting solenoid** grounds output cable and object under test

Benefits

- Two Tests in One Unit** – eliminates need for purchasing separate AC and DC Hipot
- Operator Safety** – the power supply and test object are automatically grounded when high voltage is turned off
- Meets Industry Specifications** – tests to most UL, CSA, VDE, IEC, MIL for dielectric withstand testing
- Rack Mountable** – easy installation into a 19" rack

Applications

- Capacitors
- Transformers
- Wire and Cable
- Coils and Chokes
- Connectors
- Medical Devices
- Appliances

Technical Specifications

General	HD103	HD106	HD115	HD125	HD140
Input Voltage	120V, 60Hz –A version 230V, 50Hz –B version				
Output Voltage	0-2.5kV ac 0-3.0kV dc	0-5.0kV ac 0-6.0kV dc	0-12.5kV ac 0-15.0kV dc	0-10.0kV ac 0-25kV dc	0-15.5kV ac 0-40.0kV dc
DC Output Voltage	Negative output, positive ground				
Metering	4.5" analog meters, ±2% full scale accuracy				
Voltmeter	0-0.6/1.2/3.0kV	0-1.2/3.0/6.0kV	0-3.75/7.5/15.0kV	0-5.0/10.0/25.0kV	0-8.0/16.0/40.0kV
Current Meter	0-50/500/5000µA DC and 0-5mA AC				
Dimensions	21"W x 20"D x 11"H (53cm x 51cm x 28cm)				
Weights	Net 46lbs (21kg) Ship 59lbs (27kg)	Net 51lbs (23kg) Ship 64lbs (29kg)	Net 75lbs (34kg) Ship 85lbs (39kg)	Net 75lbs (34kg) Ship 85lbs (39kg)	Net 82lbs (37kg) Ship 92lbs (47kg)

Scope of Supply

- Qty. 1 HD100 AC/DC Hipot
- Qty. 1 Input Line Cord, grounded type 6 feet (1.8 m)
- Qty. 1 Ground Lead, 6 feet (1.8 m)
- Qty. 1 High Voltage Output cable, shielded with alligator clip and rubber insulated boot, 6 feet (1.8 m)
- Qty. 1 Calibration Certificate
- Qty. 1 User's Manual

Accessories

Spare Parts Kits	SPK1-HD103, SPK1-HD106, SPK1-HD115, SPK1-HD125, SPK1-HD140
Hipot Test Lead Set	HTL-S, HTL-140

Ordering Information

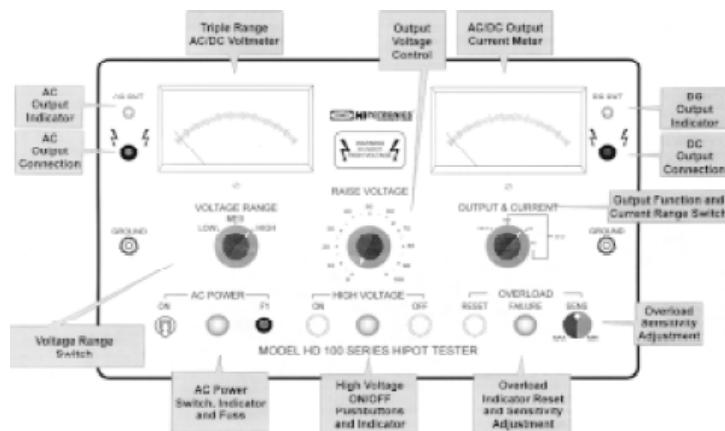
System

0-2.5kVac/0-3kVdc	HD103-A or HD103-B
0-5kVac/0-6kVdc	HD106-A or HD106-B
0-12.5kVac/0-15kVdc	HD115-A or HD115-B
0-10kVac/0-25kVdc	HD125-A or HD125-B
0-15.5kVac/0-40kVdc	HD140-A or HD140-B

Additional Accessories

- **HTP-F**, Maximum 25kV Fixed Test Probe
- **TC-25**, Maximum 25kV Test Cage

Control Panel



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