



# 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.



### 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<br>230V, 50Hz –B version |                                       |                                       |                                       |                                       |
| Output Voltage    | 0-2.5kV ac<br>0-3.0kV dc                       | 0-5.0kV ac<br>0-6.0kV dc              | 0-12.5kV ac<br>0-15.0kV dc            | 0-10.0kV ac<br>0-25kV dc              | 0-15.5kV ac<br>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)<br>Ship 59lbs (27kg)          | Net 51lbs (23kg)<br>Ship 64lbs (29kg) | Net 75lbs (34kg)<br>Ship 85lbs (39kg) | Net 75lbs (34kg)<br>Ship 85lbs (39kg) | Net 82lbs (37kg)<br>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    | <b>SPK1-HD103, SPK1-HD106,<br/>SPK1-HD115, SPK1-HD125,<br/>SPK1-HD140</b> |
| Hipot Test Lead Set | <b>HTL-S, HTL-140</b>   |

**ORDERING INFORMATION**

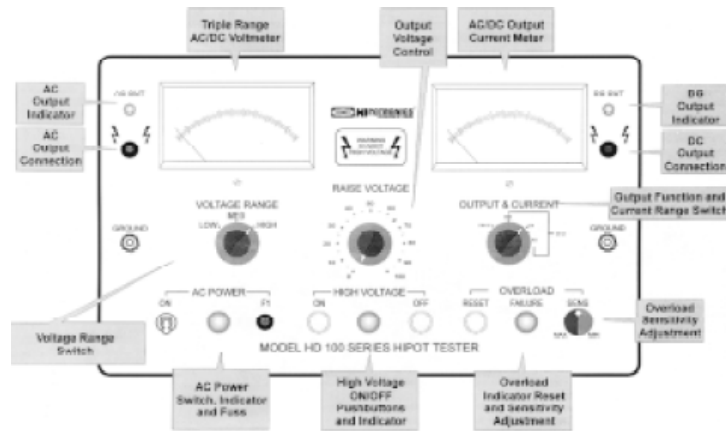
**System**

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

**Additional Accessories**

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

**CONTROL PANEL**



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