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**

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

**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-5, 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**

- [Image of control panel diagram]

European Contact  
**Haefely Test AG**  
Lehenmattstrasse 353  
CH-4028 Basel  
Switzerland  
☎️ +41 61 373 4111  
✉️ +41 61 373 4912  
-sales@haefely.com  

Locate your local sales representative at  
www.high-voltage-hubbell.com  

USA Contact  
**Hipotronics Inc.**  
1650 Route 22  
PO Box 414  
Brewster, NY 10509 USA  
☎️ +1 845 279 8091  
✉️ +1 845 279 2467  
sales@hipotronics.com  

---

Hipotronics has a policy of continuous product improvement. Therefore we reserve the right to change design and specification without notice.