Benchtop AC Dielectric Test Sets
5-15 kV

Testing Applications

- Suitable for AC dielectric and insulation testing up to 15 kV on all types of electrical products such as motors, cables, switchgear, bushings, capacitors, fuses, and arrestors
- Complies with UL, CSA, OSHA, NEMA, IEC, AEIC, EPCEA, IEEE, ASTM and other applicable testing standards

Models Available

- 605-2P
- 605-5P
- 605-10P
- 610-2P
- 610-5P
- 610-10P
- 610-20P
- 615-10P
- 615-15P
- 615-20P

➤ Single-piece, benchtop and floor models
➤ Housed in a rugged steel enclosure
➤ Optimum safety features and simple operation
➤ ISO17025 calibration upon request

The Phenix line of 5 kV-15 kV AC Hipots offer a completely integrated, easy-to-use high voltage AC supply. The air insulated high voltage transformer, controls and regulator are housed either in a painted steel benchtop enclosure or for the larger units in a free-standing steel enclosure.

All units are equipped with standard safety features such as circuit breaker protection, adjustable output overloads, external interlock provisions, and zero start interlock. The digital meters display a direct reading of the output voltage and current. The output voltage is completely adjustable from near zero to 100% of output via a rugged and reliable variable autotransformer.

These AC dielectric test systems are ideally suited for dielectric testing up to 15kVAC within a wide variety of applications.
### Environmental/Operating Conditions
- 10-40°C, indoor/outdoor in fair weather
- Humidity <95% non-condensing
- Altitude <3300 ft (1000 meters)

### Options
- Flashing Light
- Safety Foot Switch
- Custom cable lengths
- Burn Feature
  - The Burn Feature is a current limiting device that is connected in series with the primary winding. This feature offers the ability to burn the faults in the test specimen at a controlled current level. The Burn Feature is available with rating listed above.
- ISO17025 calibration

### Safety and Design Features
- One-piece design
- Circuit breaker protection
- External interlock provision
- External warning circuit provision
- Latching HV On/Off pushbuttons
- Zero Start Interlock
- Manual control of output voltage
- Adjustable overload circuit
- Slow and fast-acting transient protection on all meters and relays
- Digital Meters (3 1/2 digit LCD display)
- Digital Timer with audible alarm
- Emergency Off pushbutton
- Output overload indicator with reset switch
- Casters mounted on cabinets (excludes -2P models)
- Input power cable 5' (1.5 m) and shielded output cable 15' (4.5 m) are included
- Operation/maintenance manual

### Phynix Technologies
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Fx: +1.301.895.5570  
Info@phenixtech.com

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  Riehenstrasse 62A, 4058 Basel, Switzerland  
  Ph: +41.61.383.2770, Info@phenixsystems.com
- **Phenix Asia**  
  Zhong Cheng Rd, Sec 1, No 177, 2F, Taipei 11148 Taiwan  
  Ph: +886.2.2835.9735, Fx: +886.2.2835.9879, Info@phenixasia.com

**Dimensions & Weight (approx.)**
- **Model 605-2P**  
  20”L x 16”W x 12”H, 70 lbs  
- **Model 605-5P**  
  24”L x 24”W x 44”H, 315 lbs  
- **Model 605-10P**  
  24”L x 24”W x 44”H, 400 lbs  
- **Model 610-2P**  
  20”L x 16”W x 12”H, 80 lbs  
- **Model 610-5P**  
  24”L x 24”W x 44”H, 320 lbs  

<table>
<thead>
<tr>
<th>MODEL</th>
<th>605-2P</th>
<th>605-5P</th>
<th>605-10P</th>
<th>610-2P</th>
<th>610-5P</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INPUT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>115/120 V, 60 Hz or</td>
<td>220/240 V</td>
<td>220/240 V</td>
<td>115/120 V, 60 Hz or</td>
<td>220/240 V</td>
</tr>
<tr>
<td>Frequency</td>
<td>220/240 V, 50 Hz</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
<td>220/240 V, 50 Hz</td>
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<tr>
<td><strong>OUTPUT</strong></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>≈ 0-5 kV</td>
<td>≈ 0-5 kV</td>
<td>≈ 0-5 kV</td>
<td>≈ 0-10 kV</td>
<td>≈ 0-10 kV</td>
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<tr>
<td>Current</td>
<td>0-400 mA</td>
<td>0-1 A</td>
<td>0-2 A</td>
<td>0-200 mA</td>
<td>0-500 mA</td>
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<tr>
<td><strong>DUTY CYCLES</strong></td>
<td>5 min ON/15 min OFF</td>
<td>2 kVA</td>
<td>5 kVA</td>
<td>10 kVA</td>
<td>2 kVA</td>
</tr>
<tr>
<td><strong>OPTION BURN</strong></td>
<td>Rating</td>
<td>1 kVA</td>
<td>3 kVA</td>
<td>3 kVA</td>
<td>1 kVA</td>
</tr>
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<table>
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<tr>
<th>MODEL</th>
<th>610-10P</th>
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<th>615-15P</th>
<th>615-20P</th>
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<td><strong>INPUT</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td><strong>OUTPUT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>≈ 0-10 kV</td>
<td>≈ 0-10 kV</td>
<td>≈ 0-15 kV</td>
<td>≈ 0-15 kV</td>
<td>≈ 0-15 kV</td>
</tr>
<tr>
<td>Current</td>
<td>0-1 A</td>
<td>0-2 A</td>
<td>0-667 mA</td>
<td>0-1 mA</td>
<td>0-1.33 A</td>
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<tr>
<td><strong>DUTY CYCLES</strong></td>
<td>5 min ON/15 min OFF</td>
<td>10 kVA</td>
<td>20 kVA</td>
<td>10 kVA</td>
<td>15 kVA</td>
</tr>
<tr>
<td><strong>OPTION BURN</strong></td>
<td>Rating</td>
<td>3 kVA</td>
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