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
• 610-10P
• 610-20P
• 615-10P
• 615-20P

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

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 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.

## 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

### Dimensions & Weight / Shipping Size

- Consult factory

### Models and Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>605-2P</th>
<th>605-5P</th>
<th>605-10P</th>
<th>610-2P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>115/120 V, 60 Hz or 220/240 V</td>
<td>220/240 V</td>
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<td>115/120 V, 60 Hz or 220/240 V</td>
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<tr>
<td>Frequency</td>
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<td>220/240 V, 50 Hz</td>
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<tr>
<td>Current</td>
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<td>0-1 A</td>
<td>0-2 A</td>
<td>0-200 mA</td>
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<td>1 kVA</td>
<td>3 kVA</td>
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<tr>
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<td>≈ 0-15 kV</td>
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<tr>
<td>Current</td>
<td>0-1 A</td>
<td>0-2 A</td>
<td>0-667 mA</td>
<td>0-1.33 A</td>
</tr>
<tr>
<td>Rating</td>
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