# **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



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.

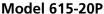
All units are equipped with standard safety features such as circuit breaker protection, adjustable output overloads, external interlock provisions, and zero start interlock. The digital meters display a direct reading of the output voltage and current. The output voltage is completely adjustable from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

#### **Models Available**

- 605-2P
  605-5P
  605-10P
  610-2P
  615-20P
- ➤ Single-piece, benchtop and floor models
- ➤ Housed in a rugged steel enclosure
- Optimum safety features and simple operation

















Brochure No. 60305

	MODEL	605-2P	605-5P	605-10P	610-2P
INPUT	Voltage	115/120 V, 60 Hz or	220/240 V	220/240 V	115/120 V, 60 Hz or
	Frequency	220/240 V, 50 Hz	50/60 Hz	50/60 Hz	220/240 V, 50 Hz
OUTPUT	Voltage	≈ 0-5 kV	≈ 0-5 kV	≈ 0-5 kV	≈ 0-10 kV
OUT	Current	0-400 mA	0-1 A	0-2 A	0-200 mA
DUTY CYCLES	5 min ON/15 min OFF	2 kVA	5 kVA	10 kVA	2 kVA
OPTION BURN	Rating	1 kVA	1 kVA	3 kVA	1 kVA
	MODEL	610-10P	610-20P	615-10P	615-20P
	Voltage	<b>610-10P</b> 220/240 V	<b>610-20P</b> 220/240 V	<b>615-10P</b> 220/240 V	<b>615-20P</b> 220/240 V
INPUT					
INPUT	Voltage	220/240 V	220/240 V	220/240 V	220/240 V
	Voltage Frequency	220/240 V 50/60 Hz	220/240 V 50/60 Hz	220/240 V 50/60 Hz	220/240 V 50/60 Hz
INPUT	Voltage Frequency Voltage	220/240 V 50/60 Hz ≈ 0-10 kV	220/240 V 50/60 Hz ≈ 0-10 kV	220/240 V 50/60 Hz ≈ 0-15 kV	220/240 V 50/60 Hz ≈ 0-15 kV

**DIMENSIONS & WEIGHT / SHIPPING SIZE – consult factory** 

#### **Environmental Conditions**

- 10-40°C, indoor/outdoor in fair weather
- Humidity <95% non-condensing
- Altitude <3300 ft (1000 meters)</li>

#### **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.



#### WORLD HEADOUARTERS

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## **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

#### **BRANCH OFFICES**

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