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
- 610-2P
- 615-10P

- 605-5P
- 610-5P
- 615-15P

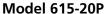
- 605-10P
- 610-10P

Single-piece, benchtop and floor models

• 615-20P

- IUP
- 610-20P
- ➤ Housed in a rugged steel enclosure
- Optimum safety features and simple operation

















	MODEL	605-2P	605-5P	605-10P	610-2P	610-5P
INPUT	Voltage	115/120 V, 60 Hz or	220/240 V	220/240 V	115/120 V, 60 Hz or	220/240 V 50/60 Hz
	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	≈ 0-10 kV
	Current	0-400 mA	0-1 A	0-2 A	0-200 mA	0-500 mA
DUTY	5 min ON/15 min OFF	2 kVA	5 kVA	10 kVA	2 kVA	5 kVA
OPTION BURN	Rating	1 kVA	3 kVA	3 kVA	1 kVA	3 kVA
		20// 46/// 12/// 70 //	24//124//\\44//\\215 b	24// 24/// 44/// 400	20// 46// 42// 00 /	
Dimens	ions & Weight (approx.)	20"LX16"WX12"H, /0 lbs	24 L X24 VV X44 H, 315 IDS	24" L X24" VV X44" H, 400 lbs	20"L X 16" W X 12"H, 80 lbs	24"L x24"W x44"H, 320 lbs
Dimens	MODEL	610-10P	610-20P	615-10P	615-15P	24"L x24"W x44"H, 320 lbs
	MODEL Voltage	610-10P 220/240 V	610-20P 220/240 V	615-10P 220/240 V	615-15P 220/240 V	220/240 V
INPUT	MODEL	610-10P	610-20P	615-10P	615-15P	615-20P
INPUT	MODEL Voltage	610-10P 220/240 V	610-20P 220/240 V	615-10P 220/240 V	615-15P 220/240 V	615-20P 220/240 V
	MODEL Voltage Frequency	610-10P 220/240 V 50/60 Hz	610-20P 220/240 V 50/60 Hz	615-10P 220/240 V 50/60 Hz	615-15P 220/240 V 50/60 Hz	615-20P 220/240 V 50/60 Hz
INPUT	MODEL Voltage Frequency Voltage	610-10P 220/240 V 50/60 Hz ≈ 0-10 kV	610-20P 220/240 V 50/60 Hz ≈ 0-10 kV	615-10P 220/240 V 50/60 Hz ≈ 0-15 kV	615-15P 220/240 V 50/60 Hz ≈ 0-15 kV	615-20P 220/240 V 50/60 Hz ≈ 0-15 kV
OUTPUT INPUT	MODEL Voltage Frequency Voltage Current	610-10P 220/240 V 50/60 Hz ≈ 0-10 kV 0-1 A	610-20P 220/240 V 50/60 Hz ≈ 0-10 kV 0-2 A	615-10P 220/240 V 50/60 Hz ≈ 0-15 kV 0-667 mA	615-15P 220/240 V 50/60 Hz ≈ 0-15 kV 0-1 mA	615-20P 220/240 V 50/60 Hz ≈ 0-15 kV 0-1.33 A

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.



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

