

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



Model 605-2P

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
- 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



Model 615-20P



	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 CYCLES	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
Dimensions & Weight (approx.)		20"L x16"W x12"H, 70 lbs	24"L x24"W x44"H, 315 lbs	24"L x24"W x44"H, 400 lbs	20"L x16"W x12"H, 80 lbs	24"L x24"W x44"H, 320 lbs

	MODEL	610-10P	610-20P	615-10P	615-15P	615-20P
INPUT	Voltage	220/240 V	220/240 V	220/240 V	220/240 V	220/240 V
	Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
OUTPUT	Voltage	≈ 0-10 kV	≈ 0-10 kV	≈ 0-15 kV	≈ 0-15 kV	≈ 0-15 kV
	Current	0-1 A	0-2 A	0-667 mA	0-1 mA	0-1.33 A
DUTY CYCLES	5 min ON/15 min OFF	10 kVA	20 kVA	10 kVA	15 kVA	20 kVA
OPTION BURN	Rating	3 kVA	3 kVA	3 kVA	3 kVA	3 kVA
Dimensions & Weight (approx.)		24"L x24"W x44"H, 400 lbs	24"L x27"W x68"H, 650 lbs	24"L x24"W x44"H, 460 lbs	24"L x24"W x52"H, 600 lbs	24"L x27"W x74"H, 670 lbs

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



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