



Benchtop AC Dielectric Test Sets

3-15 kV

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



Model 605-2P



Model 615-7.5P
(with dwell timer option)

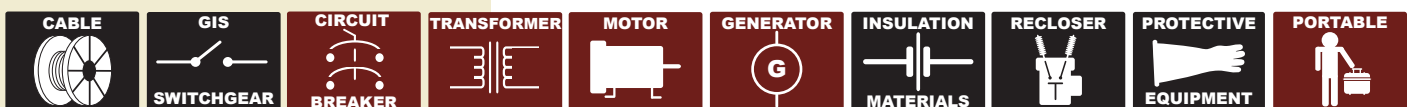
TESTING APPLICATIONS

- 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 3 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 large and easy-to-read 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.



	MODEL	603-2P	605-2P	605-5P	605-10P	610-2P
INPUT	Voltage	115/120 V, 60 Hz	115/120 V, 60 Hz	220/240 V	220/240 V	115/120 V, 60 Hz
	Frequency	or 220/240 V, 50 Hz	or 220/240 V, 50 Hz	50/60 Hz	50/60 Hz	or 220/240 V, 50 Hz
OUTPUT	Voltage	≈ 0-3 kV	≈ 0-5 kV	≈ 0-5 kV	≈ 0-5 kV	≈ 0-10 kV
	Current	0-667 mA	0-400 mA	0-1 A	0-2 A	0-200 mA
DUTY CYCLES	5 min ON/15 min OFF	2 kVA	2 kVA	5 kVA	10 kVA	2 kVA

	MODEL	610-5P	610-10P	610-20P	615-7.5P	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	≈ 0-10 kV	≈ 0-15 kV	≈ 0-15 kV
	Current	0-500 mA	0-1 A	0-2 A	0-500 MA	0-1.33 mA
DUTY CYCLES	5 min ON/15 min OFF	5 kVA	10 kVA	20 kVA	7.5 kVA	20 kVA

DIMENSIONS & WEIGHT / SHIPPING SIZE – consult factory

ENVIRONMENTAL CONDITIONS

- 10-40°C, indoor/outdoor in fair weather
- Humidity <95% non-condensing
- Altitude <3000 ft (1000 meters)

SAFETY & DESIGN FEATURES

- One-piece design
- Circuit breaker protection
- External interlock provision
- HV On momentary pushbutton with indicator
- Zero Start Interlock
- Manual control of output voltage
- Adjustable overload circuit
- Slow and fast-acting transient protection on all meters and relays
- Analog multi range metering
- Emergency Off pushbutton (5-20 kVA models only)
- Output overload indicator with reset switch
- Input power cable 5' (1.5 m) and shielded output cable 15' (4.5 m) are included
- Two copies of operation/maintenance manual

OPTIONS

• 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 a rating from 25-100% of rated current.

• Flashing Light

• Digital Meters (3 1/2 digit LCD display)

• Latching HV On/Off pushbuttons

• Dwell Timer

• Casters mounted on cabinets

• Custom cable lengths

High Voltage • High Current • High Power Test Systems and Components

ISO 9001
CERTIFIED



World Headquarters

Phenix Technologies, Inc.
75 Speicher Drive
Accident, MD 21520 USA
Ph: +1-301-746-8118
Fx: +1-301-895-5570
Info@phenixtech.com

Branch Offices

Phenix Systems AG
Riehenstrasse 64
4058 Basel, Switzerland
Ph: +41 61 383 2770
Fx: +41 61 383 2771
Info@phenixsystems.com

Phenix Asia

Zhong Cheng Rd, Sec 1, No 177, 2F
Taipei 11148 Taiwan
Ph: +886 2 2835 9738
Fx: +886 2 2835 9879
Info@phenixasia.com