

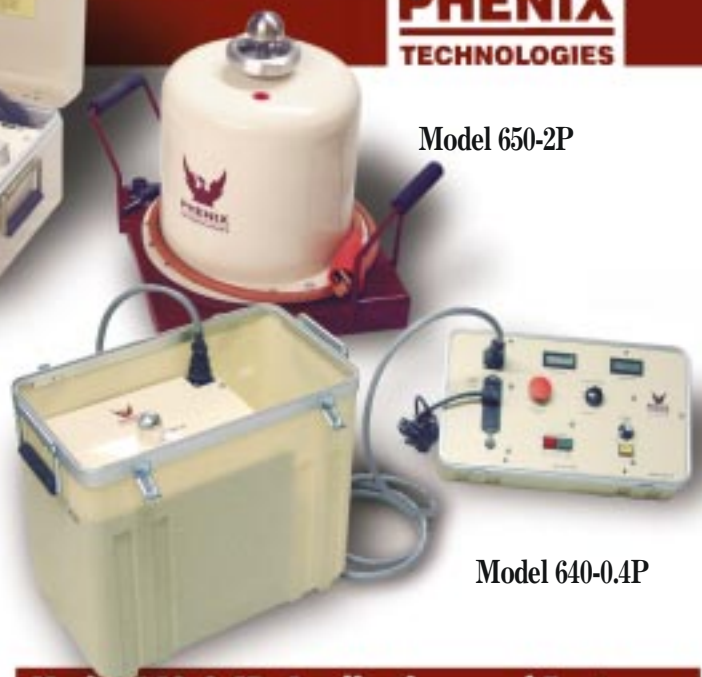


PHENIX
TECHNOLOGIES

PORTABLE AC DIELECTRIC TEST SETS



Model 650-2P



Model 640-0.4P

General Applications and Features

- PHENIX Technologies offers a premier line of 40, 50 and 60 kV models, providing test voltages for a wide range of electrical equipment.
- Featuring 3½ digit, digital LCD display output voltmeter and current meter for easy reading even in direct sunlight.
- High Accuracy: +/- 1% of F/S
- Ruggedly constructed cases for years of field use
- Lightweight portability
- Zero start (safety interlock feature)
- Output Termination: Toroid with output lead
- Adjustable overcurrent trip from 10% to 110% of rating
- Internal Short circuit protection

Model 650-2P Applications and Features

- 50kV AC hipot, multi-purpose, rugged design tests breakers, switchgear and many other apparatus.
- 40 mA of output current independent of test specimen type (resistive or capacitive).
- Two piece construction
- External interlock provision

Model 650-2P Technical Specifications*

Input: 120 VAC, 60 Hz, single phase, 2kVA, 20amps or 220 VAC, 50 Hz, single phase, 2kVA, 11amps

Output: 0-50kV AC, 40 mA

Duty cycle: 5 min ON/15 min OFF @ 40mA

Distortion: less than 5%

Metering: Single range voltmeter: 0-50 kVAC
Single range ammeter: 0-40 mA

Dimensions

Controls: 16.5" (419 mm) W x 15.25" (388mm) D x 11.25" (286 mm) H

Weight: 31 pounds (14 kg)

HV Transformer: 15" (381 mm) W x 15" (381 mm) D x 16.5" (419 mm) H

Weight: 79 pounds (36 kg)

Cables: 6 ft. (2m) input power
10 ft. (3m) interconnect (2 pcs.)
10 ft. (3m) ground
5 ft. (1.5m) output lead

Options: Custom cable lengths available

Model 640-0.4P Applications and Features

- 40kV AC, 10 mA hipot designed primarily for vacuum bottle testing but tests breakers, switchgear, and many other apparatus.
- One piece portability for field testing
- Lightweight (56 lbs, 25 kg)
- Emergency off pushbutton
- Guard ground circuit

Model 640-0.4P Technical Specifications*

Input: 120 or 220 volts, 50-60 Hz, single phase, 400 VA, 5 amperes

Output Rating: 0-40 kVAC, 10 mA

Duty Cycle: 120 volt, 20 Min ON/30 Min OFF @ 10 mA
220 volt, 15 Min ON/45 Min OFF @ 10mA

Distortion: Less than 5 percent at full load

Output Termination: Toroid with output lead

Metering: Single range voltmeter: 0-40 kVAC
Single range ammeter: 0-10 mA

Dimensions: 18.5" (464 mm) W x 10.75" (273 mm) D x 19.5" (495 mm) H

Weight: 56 pounds (25.4 kg) 120 VAC unit

Cables: 8 ft. (2.4m) input power
10 ft. (3m) interconnect
10 ft. (3m) ground
10 ft. (3m) output lead

Options: Custom cable lengths available

*Specifications may change without notice as the right of PHENIX Technologies, Inc. and our continuous commitment to provide the highest quality products.

Model 660-10P Technical Specifications*

- Input:** 120VAC, 6 amp, 50/60Hz or
208/240 VAC, 3 amp, 50/60 Hz
- Output:** 0-60kVAC (single ended) at 10mA
- Metering:** Single range voltmeter: 0-60 kVAC
Single range ammeter: 0-10 mA
- Timer:** 1-999 seconds
- Duty Cycle:** 5 min. on, 15 min. off @ 10mA
- DIMENSIONS**
- Controls:** 16.5" W x 15.25" D x 11.25" H; 31 lbs
(419mm) (388mm) (286); (14kg)
- HV Section:** 14" W x 14" D x 14" H; 70 lbs
(356mm) (356mm) (356mm); (32kg)
- Cables:** 8 ft. (2.4m) input power
10 ft. (3m) interconnect (2 pcs.)
10 ft. (3m) ground
5 ft. (1.5m) output lead
- Options:** Custom cable lengths available

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Model 660-10P Applications and Features

- 60kV AC hipot, ruggedly designed for field use, primarily for vacuum bottle testing but can also test breakers, switchgear and many other apparatus
- Tests up to 24.9 kV class interrupters in accordance with ANSI/IEEE C37.60 specifications
- Portable two-piece unit
- Digital dwell timer
- Selectable rate of voltage rise (500 volts/sec, 3000 volts/sec)
- Failure indicator with reset switch
- Automatic voltage control
- Digitally programmable set-point eliminates test voltage overshoot as found with meter relay type voltage control.
- Memory feature included in output voltmeter to record breakdown voltage. Reset switch clears unit after failure occurs.
- Single-ended high voltage transformer develops 0-60 kVAC with respect to ground potential
- 10 mA of output current independent of test specimen type (resistive or capacitive)
- External interlock provision

The PHENIX Technologies Product Line

- AC Dielectric Test Sets
- Resonant Test Sets
- DC Hipots and Insulation Test Sets
- Automatic Insulating Material Testers (DI49)
- Liquid Dielectric Test Sets
- Megohmmeters
- Vacuum/Oil Interrupter Testers
- Bucket Truck Testers
- High-Frequency Cable Aging Test Sets
- Heat Cycling Test Sets
- Rubber Goods—Protective Equipment Testers
- Core Loss Testers
- AC, DC and AC/DC Motor Test Sets
- Transformer Test Systems
- Computerized Circuit Breaker Test Sets
- Computerized Recloser Test Sets
- DC Power Supplies
- High Voltage DC Cable Thumpers
- High Voltage Terminations
- High Power Column-Type Variable Transformers
- High Power Thoma-Type Variable Transformers
- Voltage and Current Stabilizers



Model 660-10P

Please visit www.phenixtech.com for other products offered by PHENIX TECHNOLOGIES!

Your local representative is



PHENIX
TECHNOLOGIES

116 Industrial Drive
Accident, MD 21520 USA
Tel: 301-746-8118
Fax: 301-895-5570
<http://www.phenixtech.com>