

Combination AC/DC Dielectric Test Sets

50 kV AC/70 kV DC or 100 kV AC/120 kV DC



Testing Applications

Perform both AC and DC dielectric testing of a wide range of electrical apparatus

Safety and Design Features

- Circuit breaker protection
- External interlock provision
- High voltage On/Off pushbuttons with indicator
- Zero Start Interlock
- Manual control of output voltage
- Adjustable overload circuit
- Slow and fast-acting transient protection on all meters and relays
- Digital timer with audible alarm
- Emergency Off pushbutton with key lockout
- Guard mode for accurate current measurements
- Output overload indicator with reset switch
- Direct metering of the output
- All interconnect control and power cables included
- Operation/maintenance manual

Environmental Conditions

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

- **Mobile 3-piece** design with **hand cart**
- **Ruggedly constructed** for both **indoor** and **outdoor** use
- **Simple set-up** and **operation**
- **ISO17025 calibration** upon request

Model
46CP50/70-2/10



MODEL		46CP50/70-2/10	46CP100/120-3.75/10
INPUT	Voltage/Current	110-120 V, 15 A 220-240 V, 10 A	110-120 V, 30 A 220-240 V, 20 A
	Frequency	50/60 Hz	50/60 Hz
OUTPUT	Voltage/Current	~0-50 kV AC, 40 mA ~0-70 kV DC, 10 mA Negative output, positive ground	~0-100 kV AC, 37.5 mA ~0-120 kV DC, 10 mA Negative output, positive ground
DUTY CYCLE		5 min ON / 15 min OFF at 2 kVA	5 min ON / 15 min OFF at 3.75 kVA
DIGITAL METERING	Metering Accuracy	±(0.8% of Reading +0.2% Range)	±(0.8% of Reading +0.2% Range)
	Voltmeter Range	0-70 kV AC/DC	0-120 kV AC/DC
	Currentmeter Range	Multiple range up to 40 mA	Multiple range up to 40 mA

DIMENSIONS & WEIGHT / SHIPPING SIZE – consult factory



Options

- KVM Metering Head — turns High Voltage Divider into fully functional 100 kV AC/DC Kilovoltmeter with specifications as described in Phenix Technologies' brochure no. 90603.
- Positive polarity output (must be specified when ordering)
- Model GS100-2 (100 kV) or GS160-2 (160 kV) Ground Stick, 2-piece design with 25' (7 m) ground lead
- Model GS30 (30 kV) Ground Stick, single piece design with 25' (7 m) ground lead
- Model DS100-2 (100 kV, 100 kΩ, 50 kJ) Discharge Stick, 2-piece design with 25' (7 m) ground lead
- Model GSDS-30 (30 kV) Combination Ground/Discharge Stick with 25' (7 m) ground lead
- ISO17025 calibration
- FL-1 Flashing Light, Mounted, Telescoping Pole
- FL-2 Flashing Light only with magnetic base
- FL-3 Red/Green Light, Folding Base, Telescoping Pole, Security Circuit, E-stop, 20' Cable
- FL-4 Flashing Light with Security Circuit, magnetic base



**PHENIX
TECHNOLOGIES**

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 62A, 4058 Basel, Switzerland
Ph: +41.61.383.2770, 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

ISO
9001:2008
Compliant

