



HIPOTRONICS
THE MEASURE OF A LEADER

KEY FEATURES

- Expandable from 60 kV to 300 kV
- Rugged and portable
- Modular construction
- High current output
- Reversible polarity
- Ripple <0.2% per mA
- Analog kilovolt and current meters
- Zero start interlock
- External interlock provision
- Anti-corona toroid
- Remote positioning of control unit
- Momentary current reversal switch
- Optional high voltage shorting solenoid

BENEFITS

- Safe and easy assembly and operation
- Only use the number of modules necessary for the voltage required
- Easily transportable in a van or pickup truck
- Accurate leakage current measurements
- Stray leakage currents are eliminated by the guard circuit

APPLICATIONS

Used for hipot testing:

- cable
- electrical switchgear
- motors
- generators
- and other electrical apparatus

Expandable 60 kV Module Portable DC Hipot Testers

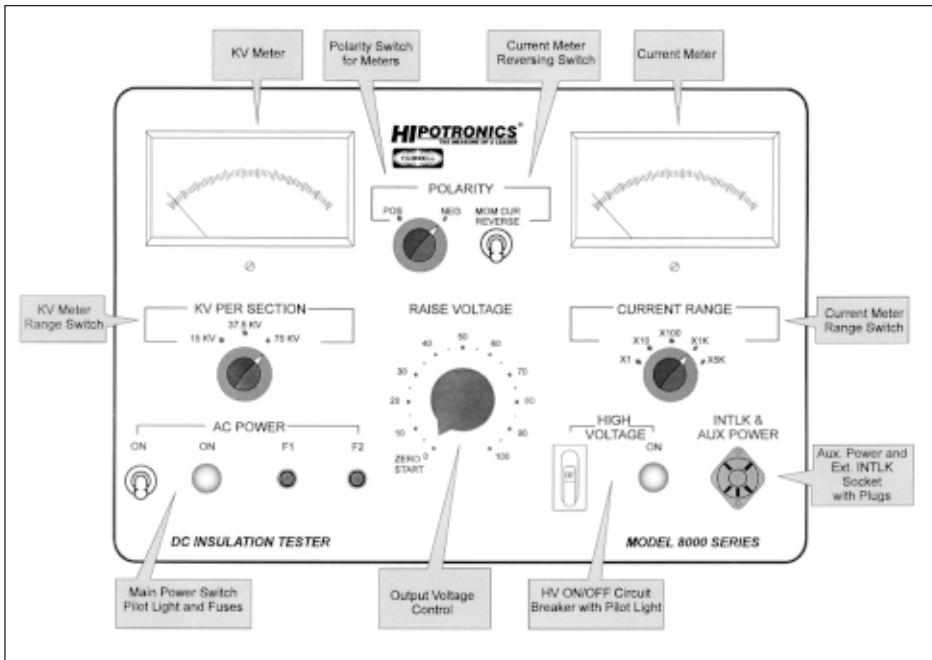


Model 8120PL Hipot Tester

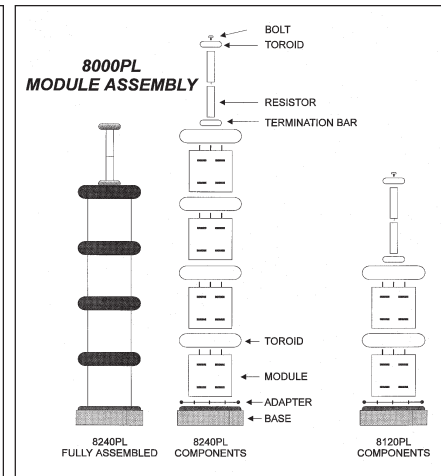
DESCRIPTION

The 8000PL Series dc hipot testers offer a 60 to 300 kV range in a convenient cascade design. These systems are air insulated, with each module individually capable of producing 60 kV at 16 mA. The standard power rating is 2 kW. Low leakage measurement, even with fluctuating line voltage, is possible with the 1% line regulator. The design also offers reversible polarity.

This modular (expandable) construction favors the use of these portable testers in situations formerly requiring large mobile units. For example, when field testing, each technician can be equipped with one controller and as many modules as routine tests require. Then, for any non-routine higher voltage tests, additional modules may be assembled at the test site. For example, a 240 kV test requires one controller and four modules. Each unit consists of a control case and one or several 60 kV modules up to the required voltage. For expansion above three modules, a HV expansion kit is required. This kit contains an anti-corona toroid rated for up to 300 kV, plus base extension legs and guy straps for support. The lightweight fiberglass control case includes all operating controls and meters, plus storage area for the base grounding probe, output resistor, and interconnecting cables.



8120PL Panel Detail



8000PL Module Assembly

SPECIFICATIONS

MODEL	OUTPUT VOLTAGE		OUTPUT CURRENT
8060PL	0 - 60 kV dc		16 mA
8120PL	0 - 120 kV dc		8 mA
8180PL	0 - 180 kV dc		5.5 mA
8240PL	0 - 240 kV dc		4.1 mA
8300PL	0 - 300 kV dc		3.3 mA
INPUT	Model number suffix -A	120 V / 60 Hz	
	Model number suffix -B	220 V / 50 Hz	
POLARITY	Reversible		
RIPPLE	Less than 0.2% per mA		
METERING	± 2% full scale accuracy		
DIMENSIONS	Controls:	22" W x 12" D x 22" H	(56 x 31 x 56 cm)
	Each 60 kV HV Module:	9-1/4" W x 10-1/2" D x 16-1/4" H	(24 x 27 x 41 cm)
WEIGHT	Controls:	Net 69 lb (31 kg)	Ship. 79 lb (36 kg)
	Each 60 kV HV Module:	Net 58 lb (26 kg)	Ship. 68 lb (31 kg)
CABLES AND CORDS	Input Line Cord:	10 ft (3 m)	
	Ground Cable:	(2) cables 15 ft (4.6 m)	
	Interconnect Cable	30 ft (9.1 m)	

ACCESSORIES

- 60 kV MODULE KIT – Catalog No. 8KPL-MOD
- EXPANSION KIT – Catalog No. 8KPL-EXT-HV
- GROUNDING STICK (120 kV max) – Catalog No. GRNDSTK
- SPARE PARTS KITS – Catalog No. SPK1-8KPL

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NOTE: Because Hipotronics has a policy of continuous product improvement, it reserves the right to change design and specifications without notice.