

800PL Series Two Piece DC Hipot Testers

KEY FEATURES

- Rugged and portable
- Shielded output cable
- Guard circuit
- Full-wave voltage doubling rectifier circuit
- Zero start interlock
- Internal discharge on HV OFF
- Meter accuracy $\pm 2\%$ F.S.
- 5 mA current rating for cable charging
- External interlock provisions
- Three range voltmeter
- Four range current meter
- No internal leakage at full load
- Instantaneous overload relay
- Surge-limiting resistors in HV output

BENEFITS

- Ideal for field testing - lightweight, compact, and rugged
- Safe and easy operation
- No exposed high voltage
- Accurate leakage current measurement
- Guard circuit eliminates stray leakage currents

APPLICATIONS

DC Hipot testing of:

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

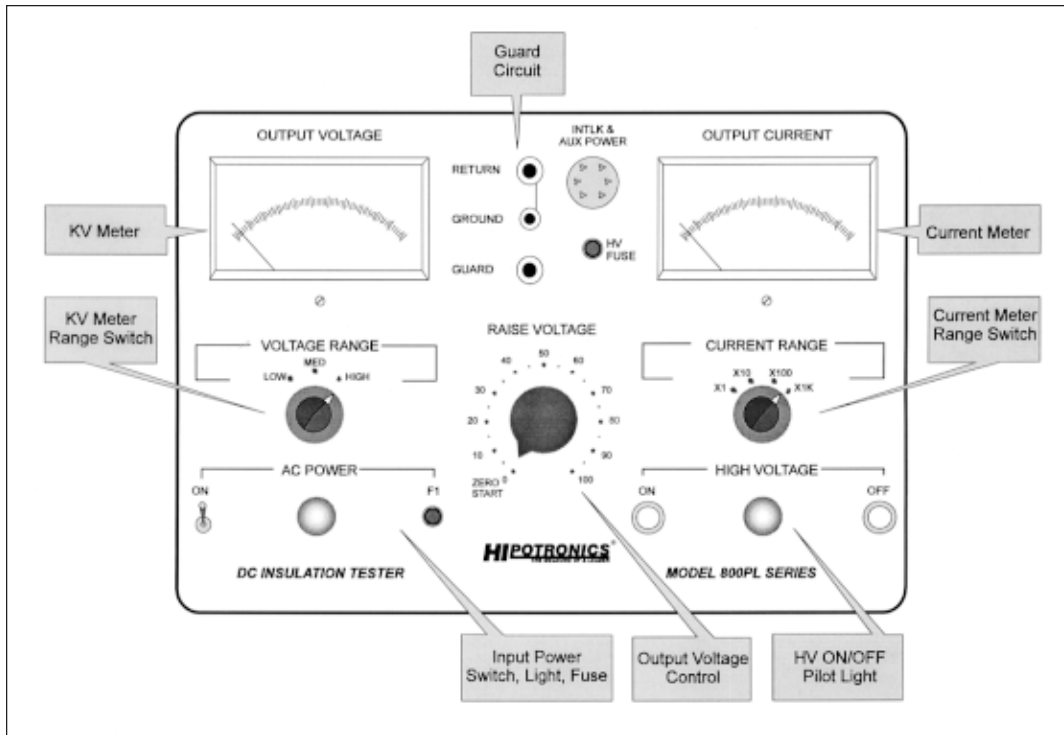


*Model 8170-5PL
DC Hipot Tester*

DESCRIPTION

The 800PL Series DC hipot testers provide an economical solution to DC field testing of cables, terminations, motors, generators and other electrical apparatus. Models 8120-5PL and 8170-5PL offer 120 kV and 170 kV respectively. Both models feature two piece construction complete from input line cord and interconnect cable to high voltage output cable. Cables are conveniently stored inside the case.

The 800 Series testers feature accurate kV meter readings regardless of load current. Accurate voltage and current measurements are assured since voltage readings are taken directly at the output of the high voltage transformer and current measurements are taken in the return leg. Safe discharging of both the test object and the high voltage transformer occur whenever the high voltage is turned off. Output power is provided by means of a full-wave voltage doubling rectifier circuit with silicon rectifiers.



800 PL
Panel Detail

SPECIFICATIONS

INPUT VOLTAGE		Model number suffix -A	120 V / 60 Hz	
		Model number suffix -B	220 V / 50 Hz	
MODEL		Controls	8120-5PL	8170-5PL
OUTPUT VOLTAGE			0 - 120 kV	0 - 170 kV
OUTPUT CURRENT			5 mA	5 mA
DIMENSIONS			(HV Section)	
		18" W x 13" D x 13" H (46 x 33 x 33 cm)	12" W x 10" D x 19" H (30 x 25 x 48 cm)	12" W x 10" D x 30" H (33 x 25 x 75 cm)
WEIGHT	Net.	25 lb (11 kg)	102 lb (46 kg)	145 lb (66 kg)
	Ship.	35 lb (16 kg)	122 lb (55 kg)	165 lb (75 kg)
POLARITY		Negative output, positive ground		
METERING		± 2% full scale accuracy		
RIPPLE		Less than 2.5%		
CABLES AND CORDS		Input Line Cord	6 ft (1.8 m) 3 wire & plug, grounded type	
		Return Cable	25 ft (7.6 m)	
		High Voltage Output Cable	25 ft (7.6 m) shielded RG34/U w/alligator clip & rubber insulated boot	
		Interconnect Cable	25 ft (7.6 m)	

ACCESSORIES

- Spare Parts Kits - Catalog Nos. SPK1-8120-5PL and SPK1-8170-5PL

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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.