

# 800PL Series

## DC Hipot Testers

■ **The 800PL Series** DC hipot testers are an economical solution to DC field testing of cables, terminations, motors, generators and other electrical apparatus. Models 815PL and 880PL10-MA offer 15kV or 80kV respectively. All models are self-contained in a single, rugged and durable enclosure, which is complete from input line cord to high voltage output cable. Cable storage space is conveniently located inside.

The 800 Series testers feature accurate kV meter readings regardless of load current. Accurate voltage and current measurements are assured via voltage readings that 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.



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### Features

- ☑ **Rugged, portable single-piece construction**
- ☑ **Shielded output cable**
- ☑ **Full-wave voltage doubling rectifier circuit**
- ☑ **Zero start interlock and guard circuit**
- ☑ **Internal discharge solenoid**
- ☑ **Meter accuracy  $\pm 2\%$  full scale**
- ☑ **10 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

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### Benefits

**Ideal for field testing** – compact, lightweight and rugged makes it suitable for field orientated applications

**Operator Safety** – the power supply and test object are automatically grounded when high voltage is turned off and there is no exposed high voltage

**Simple to Use** - a minimal amount of setup time and a simple control panel allows simple testing every time

**Accurate Leakage Current Measurement** - while guard circuit eliminates stray leakage currents

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### Applications

DC Hipot testing of:

- ➔ **Cable**
- ➔ **Transformers**
- ➔ **Electrical Switchgear**
- ➔ **Motors**
- ➔ **Generators**
- ➔ **Other Electrical Apparatus**

## Technical Specifications

General	815PL	880PL-10MA
Input Voltage	120 V, 50/60 Hz 230 V, 50/60 Hz	for -A version for -B version
Output Voltage	0 -15 kV	0 - 80 kV
Output Current	5 mA	10 mA
Polarity	Negative output, positive ground	
Metering	± 2% full scale accuracy	
Ripple	0.5% per mA with rated resistance	

### Weights and Dimensions (W x H x D, net weight, ship weight)

815PL	16.5"W x 9"D x 18"H (42 x 23 x 46 cm)	49 lbs (22 kg)	64 lbs (29 kg)
880PL-10MA	16.5"W x 9"D x 18"H (42 x 23 x 46 cm)	78 lbs (35 kg)	90 lbs (41 kg)

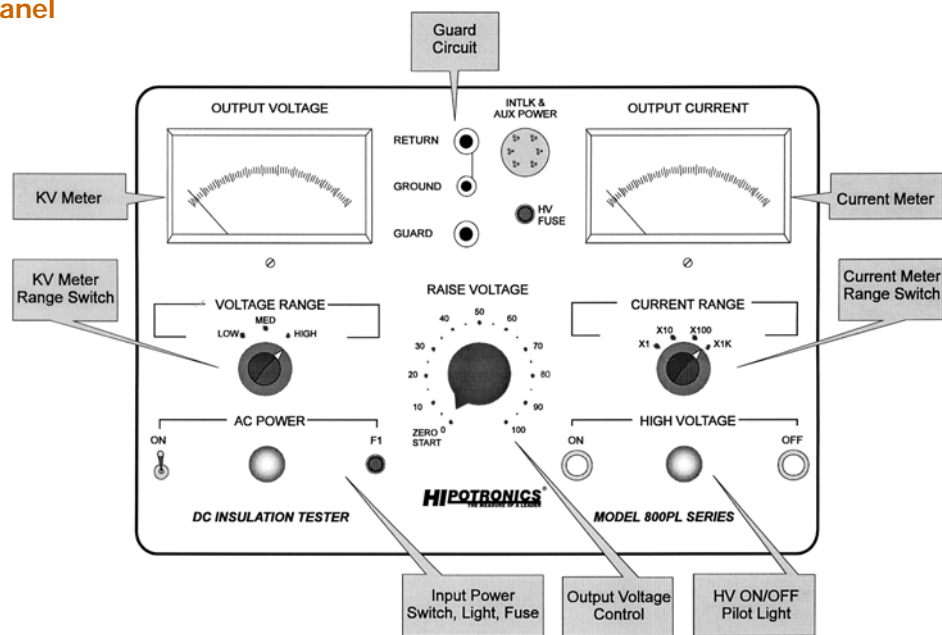
## Scope of Supply

- Qty. 1 DC Power Supply (815PL or 880PL-10MA)
- Qty. 1 Input Line Cord, wire & plug, grounded type 6 feet (1.8 m)
- Qty. 1 Return Cable, 25 feet (7.6 m)
- Qty. 1 High Voltage Output cable, shielded RG34/U with alligator clip and rubber insulated boot, 25 feet (7.6 m)
- Qty. 1 Interlock Plug
- Qty. 1 Calibration Certificate
- Qty. 1 User's Manual

## Ordering Information

System	
15 kV, 5 mA DC Hipot	<b>815PL-A or 815PL-B</b>
80 kV, 10 mA DC Hipot	<b>880PL-10MA-A or 880PL-10MA-B</b>
Accessories	
Spare Parts Kits	<b>SPK1-815PL or SPK1-880PL-10MA</b>

## Control Panel



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