

# 800PL-DC

Digital DC Hipot Tester – 40kV & 80kV



■ The **800PL-DC** DC Hipots are a modern solution for testing the insulation strength of electrical apparatus. Outfitted with a state-of-the-art digital interface and extensive safety features, the 800PL-DC ensures simplistic operation, accurate results, and operator safety under all circumstances.

The 800PL-DC features the most accurate kilovoltmeter readings regardless of load current. Voltage measurements are taken directly at the output of the high voltage transformer, while current is measured at the return leg to ensure the highest accuracy. Output power is created through a full-wave, voltage multiplier.

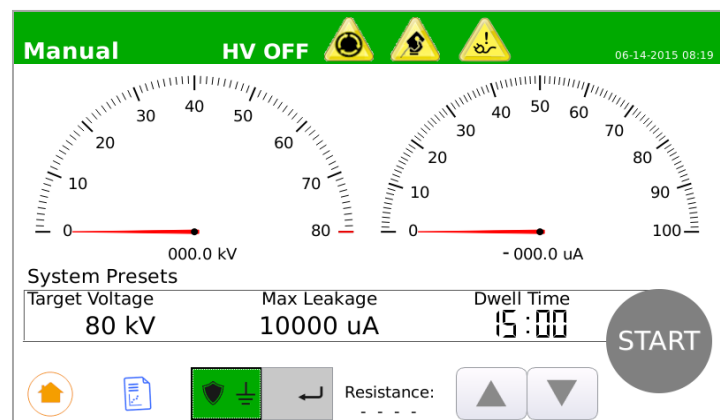
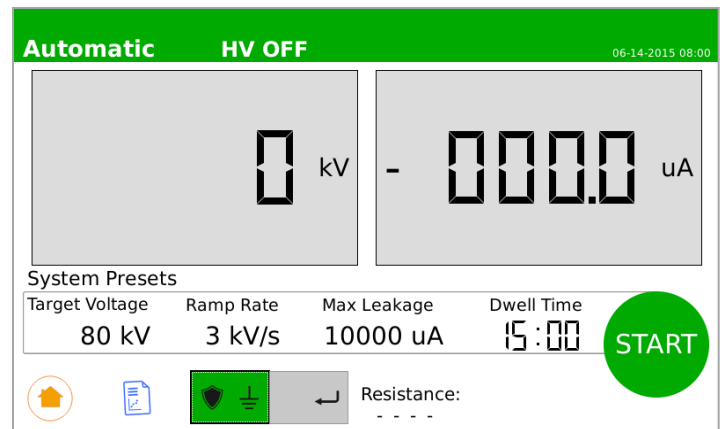
## APPLICATIONS

- Power Cable
- Transformers
- Electrical Switchgear / Vacuum Interrupters
- Motors/ Generators
- Aerial Lift Equipment / Bucket Trucks
- Insulated Electric Apparatus & Components

## FEATURES AND BENEFITS

- ✓ DC hipot test up to 40kV or 80kV at 10mA
- ✓ Lightweight, rugged design for field use (57 lbs / 25.8kg)
- ✓ Measures output voltage, leakage current, insulation resistance (IR), and polarization index (PI)
- ✓ Adjustable test parameters such as target voltage, maximum leakage, ramp rate, and dwell time
- ✓ Recorded test results and data transfer via USB 2.0
- ✓ 7" color, touch screen display with adjustable brightness
- ✓ Full-wave voltage multiplier
- ✓ Safe operation with interlock, emergency stop, and battery backup for display meters if input power is lost
- ✓ Internal discharge solenoid

## MODES OF OPERATION



**TECHNICAL SPECIFICATIONS**

<b>Model Number</b>	<b>880PL-DC</b>	<b>840PL-DC</b>
<b>Dimensions (L x W x H)</b>	19.45in x 13.7in x 20in	49.4 x 34.8 x 50.7 cm
<b>Weight</b>	57 lbs (25.8 kg)	
<b>Environmental</b>		
Operating Temperature	14...122° F (-10 .. 50°C)	
Storage Temperature	-4...158° F (-20 .. 70°C)	
Humidity	5...95% non-condensing	
<b>Inputs</b>		
Power	90-264VAC, 45-65Hz, 900VA	
<b>Outputs</b>		
Voltage	400-80,000 VDC	400-40,000VDC
Current	10mA	10mA
Polarity	Negative Output, Positive Ground	
DUT Insulation Resistance	10 kΩ...40 GΩ	10 kΩ...40 GΩ
<b>Measurements</b>		
	<b>Resolution</b>	<b>Accuracy</b>
Voltage	100 V	±0.5% of full scale
Current	0.1 μA	±1% of scale (100μA, 10mA)
Insulation Resistance (IR)	10 kΩ	±1% of scale
<b>Safety Features</b>		
	Emergency Stop	Visual Warning Indicators
	External Interlock	Audible Warning Indicator
	Interlock Hand-switch	External Warning Lamp (optional)
	Interlock Foot Pedal (optional)	Battery Backup for Display Metering
<b>Display</b>	7" TFT , 800 x 480, Color Touch Screen, High Brightness (Adjustable)	
<b>Interfaces</b>	USB 2.0 for Memory Stick	
<b>Data Formats</b>	CSV	
<b>Calibration Interval</b>	1 year recommended	

**SCOPE OF SUPPLY**

- 25ft HV Output Cable with Clamp
- 25ft HV Return Cable with Clamp
- 25ft HV Ground Cable with Clamp
- 15ft HV Ground with Clamp
- 6ft Input Power Cord
- Interlock Plug
- Interlock Hand-Switch
- Operations Manual
- Calibration Certificate

**OPTIONAL ACCESSORIES**



**HHDA13-280**

120kV rated grounding stick

**HH-SAFE**

Safety strobe light with magnetic base

**HH-FS**

Foot operated interlock switch

**EXT-WARN**

Warranty Extensions to 2 or 3 years  
Standard Warranty is 1 year

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