

## 880PL-DC

Digital DC Hipot Tester - 80kV



■ The **880PL-DC** DC Hipot is 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 880PL-DC ensures simplistic operation, accurate results, and operator safety under all circumstances.

The 880PL-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

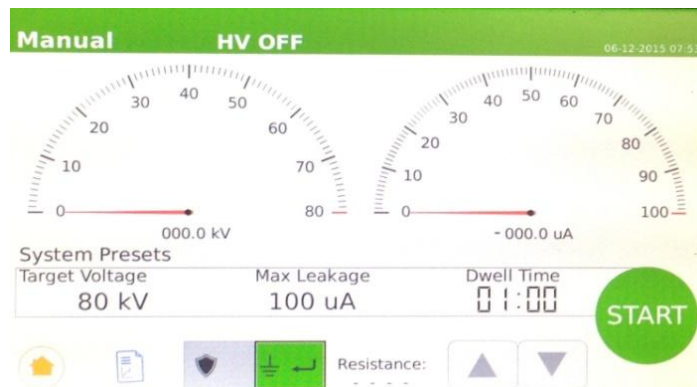
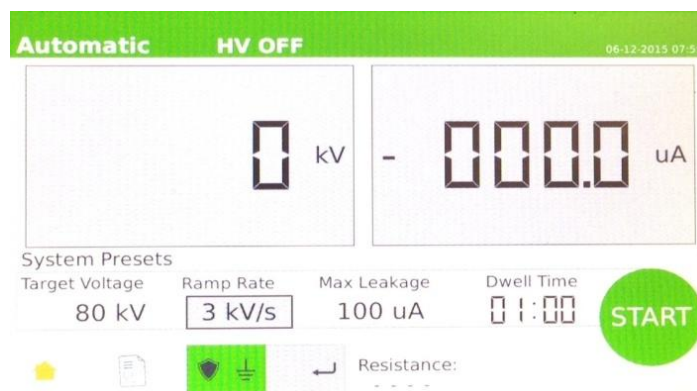
- Power Cable
- Transformers
- Electrical Switchgear / Vacuum Interrupters
- Motors/ Generators
- Aerial Lift Equipment / Bucket Trucks
- Insulated Electric Apparatus & Components



### FEATURES AND BENEFITS

- ✓ DC hipot test up to 80kV, 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>Dimensions</b>	19.45" L x 13.7" W x 20" H	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	100-80,000 VDC	
Current	10mA	
Polarity	Negative Output, Positive Ground	
DUT Insulation Resistance	10 kΩ...8 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 External Interlock Interlock Hand-switch Interlock Foot Pedal (optional)	Visual Warning Indicators Audible Warning Indicator External Warning Lamp (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

### HHSAFE

Safety strobe light with magnetic base

### HHFS

Foot operated interlock switch

### EXT-WARN

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

### OFFICES:

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