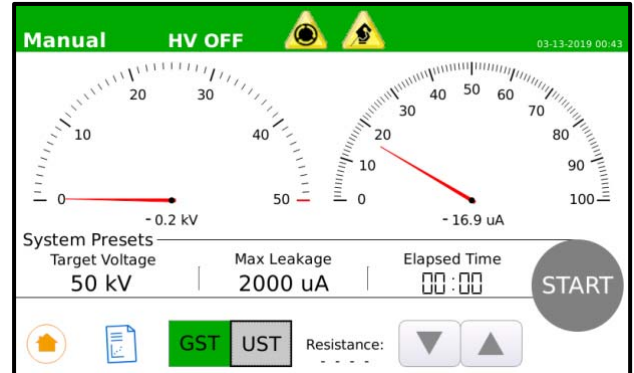


# 800PL Series

## Digital DC Hipot Tester – 40kV & 80kV

The 800PL Series 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, this robust unit ensures simplistic operation, accurate results, and operator safety under all circumstances. And if a longer duty cycle is required, the 880PL-HD model is the perfect solution for your testing needs.

The 800PL Series 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.



### FEATURES AND BENEFITS

- DC hipot tests up to 40kV or 80kV (depending on model) at load current of 10mA
- Portable, rugged design for field use with wheels
- 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
- Safe operation with interlock and emergency stop
- Internal discharge solenoid

### APPLICATIONS

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



<b>TECHNICAL SPECIFICATIONS</b>			
Model Number	840PL-DC	880PL-DC	880PL-HD
Dimensions (L x W x H)	19.45in x 13.7in x 20in (49.4cm x 34.8cm x 50.7cm)		
Weight	57 lbs.		78 lbs.
<b>Environmental</b>			
Operating Temp.	14...122° F (-10 ... 50°C)		
Storage Temp.	-4...158° F (-20 ... 70°C)		
Humidity	5... 95% non-condensing		
<b>Input</b>			
Power	90-264VAC, 45-65Hz, 900VA		
<b>Outputs</b>			
Voltage	400-40,000VDC	400-80,000 VDC	400-80,000 VDC
Current	10mA	10mA	10mA
Polarity	Negative Output, Positive Ground		
DUT Insulation Resistance	10 kΩ...40 GΩ		
<b>Duty Cycle</b>			
0-59kV	15 mins ON, 30 mins OFF	15 mins ON, 30 mins OFF	1 hour ON, 1 hour OFF
60-80kV	n/a	3 mins ON, 15 mins OFF	1 hour ON, 1 hour OFF
<b>Measurements</b>			
	<b>Resolution</b>	<b>Accuracy</b>	
Voltage	100V	±0.5% of full scale	
Current	0.1μA	±1% of scale (100μA, 100mA)	
Insulation Resistance	10 kΩ	±1% of scale	
<b>Safety</b>			
	Emergency Stop	Interlock Hand-switch (optional)	
	Visual Warning Indicators	External Warning Lamp (optional)	
	External Interlock	Interlock Foot Pedal (optional)	
	Audible Warning Indicator		
Display	7" TFT , 800 x 480, Color Touch Screen		
Interfaces	USB 2.0 for Memory Stick		
Data Formats	CSV		
Calibration Interval	1 year recommended		
ECCN: 9030.39.0100		HTS: 3A992.A	

### SCOPE OF SUPPLY

- 25ft HV Output Cable with Clamp
- 25ft HV Return Cable with Clamp
- 15ft HV Ground with Clamp
- 6ft Input Power Cord
- 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