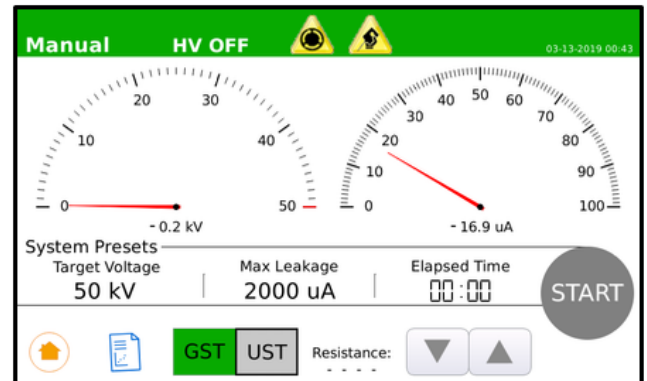


## 800PL-HD Series

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

The 800PL-HD 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. The 800PL-HD's heavy-duty design is the perfect solution for tests that require a longer duty cycle.

The 800PL-HD 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

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



## TECHNICAL SPECIFICATIONS

Model #		840PL-HD	880PL-HD
System Output	Voltage	0.4-40kV DC	0.4-80kV DC
	Current	10mA	
	Polarity	Negative Output, Positive Ground	
	DUT Insulation Resistance	10kΩ-40GΩ	
Voltage & Current Measurement Accuracy		± 1.5% of Reading ± 0.2% F.S	
Voltage Resolution		100V	
Current Resolution		0.1μA	
IR Resolution		10kΩ	
IR Accuracy		±1% of scale	
Input		90-264VAC, 45-65Hz, 900VA	
Dimensions (L x W x H)	Net	19.445in x 13.7in x 20in (49.4cm x 34.8cm x 50.7cm)	
	Shipping	24in x 19in x 23in (61.0cm x 48.3cm x 58.4cm)	
Weight	Net	78lbs (36kg)	
	Shipping	91lbs (42kg)	
Duty Cycle		1 hour ON / 1 hour OFF	
Environmental	Operating Temperature	14...122° F (-10 ... 50°C)	
	Storage Temperature	-4...158° F (-20 ... 70°C)	
	Humidity	5... 95% non-condensing	
Safety		Emergency Stop Visual Warning Indicators External Interlock Audible Warning Indicator	Interlock Hand-switch (optional) External Warning Lamp (optional) Interlock Foot Pedal (optional)
Display		7" TFT , 800 x 480, Color Touch Screen	
Interfaces		USB 2.0 for Memory Stick	
Output Data Format		CSV	
Calibration Interval		1 year recommended	
ECCN: 3A992.A		HTS: 9030.39.0100	

## SCOPE OF SUPPLY

5ft 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 Extension to 2 to 3 years  
Standard Warranty
- HH-HS-DI**  
Hand Switch