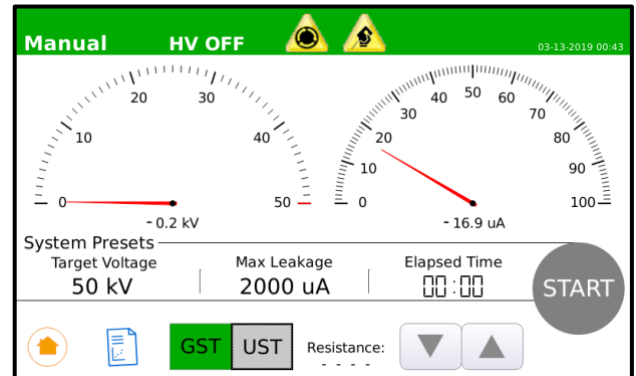


800PL Series

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

TECHNICAL SPECIFICATIONS

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.
Environmental			
Operating Temp.	14...122° F (-10 ... 50°C)		
Storage Temp.	-4...158° F (-20 ... 70°C)		
Humidity	5... 95% non-condensing		
Input			
Power	90-264VAC, 45-65Hz, 900VA		
Outputs			
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		
Duty Cycle			
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
Measurements			
	Resolution	Accuracy	
Voltage	100V	±0.5% of full scale	
Current	0.1μA	±1% of scale (100μA, 100mA)	
Insulation Resistance	10 kΩ	±1% of scale	
Safety			
	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

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