



800PL-DC

Digital DC Hipot Tester – 40kV & 80kV



■ The **800-PL-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.

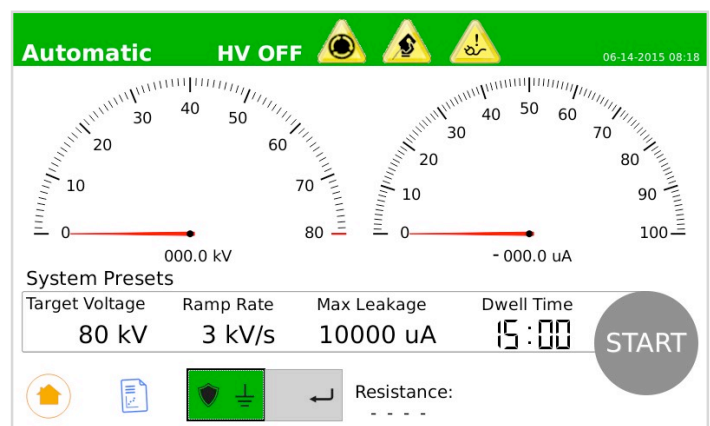


FEATURES AND BENEFITS

- DC hipot tests 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 USB2.0
- 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

APPLICATIONS

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



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TECHNICAL SPECIFICATIO IS

Model Number	880PL-DC	840PL-DC
Dimensions (L x W x H)	19.45in x 13.7in x 20in 49.4 x 34.8 x 50.7 cm	
Weight	57 lbs (25.8 kg)	
Environmental		
Operating Temperature	14...122° F (-10 .. 50°C)	
Storage Temperature	-4...158° F (-20 .. 70°C)	
Humidity	5... 95% non-condensing	
Inputs		
Power	90-264VAC, 45-65Hz, 900VA	
Outputs		
Voltage	400-80,000 VDC	400-40,000VDC
Current	10mA	10mA
Polarity	Negative Output, Positive Ground	Negative Output, Positive Ground
DUT Insulation Resistance	10 kΩ...40 GΩ	10 kΩ...40 GΩ
Duty Cycle		
0-59kV	15 minutes on, 30 minutes off	15 minutes on, 30 minutes off
60-80kV	3 minutes on, 15 minutes off	n/a
Measurements	Resolution	Accuracy
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
Safety Features	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
Display	7" TFT , 800 x 480, Color Touch Screen,	
Interfaces	USB 2.0 for Memory Stick	
Data Formats	CSV	
Calibration Interval	1 year recommended	

SCOPE OF SUPPLY

25ft HV Output Cable with Clamp
 25ft HV Return 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


HH-HS

Hand operated interlock switch

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