

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.

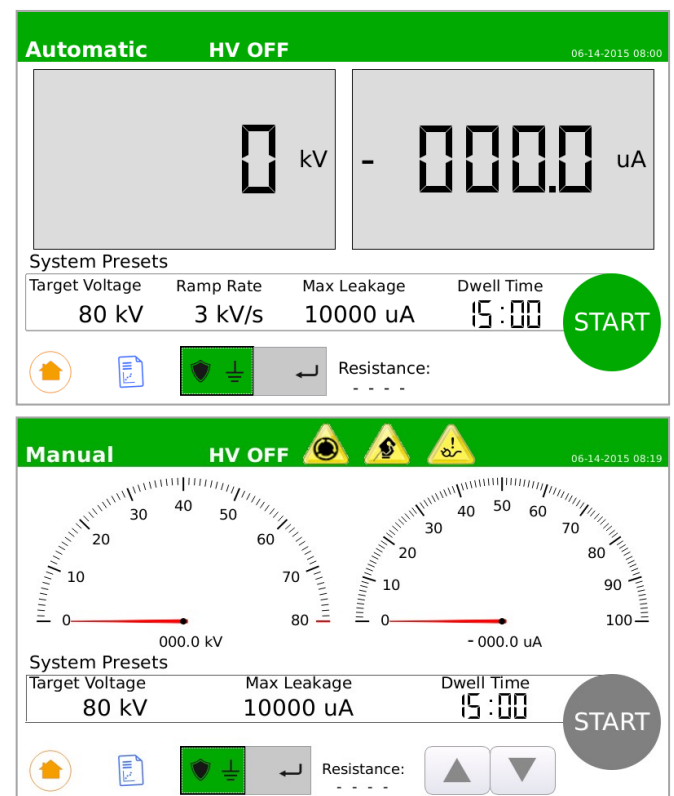
APPLICATIONS

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

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 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

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
Measurements		
Voltage	Resolution 100 V	Accuracy ±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	Visual Warning Indicators
	External Interlock	Audible Warning Indicator
	Interlock Hand-switch	External Warning Lamp (optional)
	Interlock Foot Pedal (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
 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

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

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