

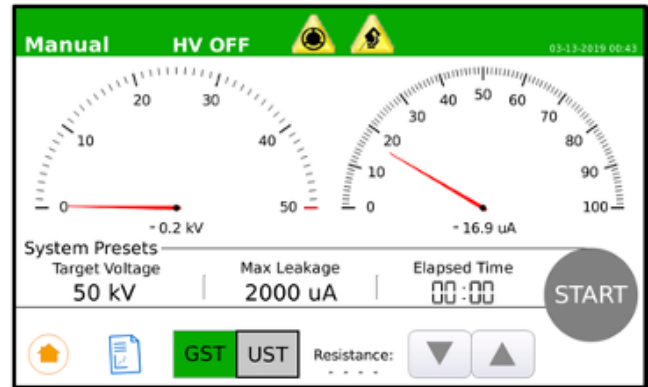
800PL-DI Series

Digital DC Hipot Testers - 120kV & 170kV



■ The **800 Series** Digital DC Hipot Testers is an economical solution to DC field testing of cables, terminations, motors, generators and other electrical apparatus. All models are self-contained in a one or two-piece, rugged and durable enclosure. Each is complete from input line cord to high voltage output cable. This product range includes models in 120kV and 170kV DC.

The 800 Series features 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. Safe discharging of both the test object and internal transformer occur whenever high voltage is switched off. Output power is created through a full-wave, voltage doubling, silicon rectifier circuit.



FEATURES

- ✓ **Test up to 120kV or 170kV** at load current of **5mA**
- ✓ **Portable, rugged design** for field use with wheels
- ✓ **Multiple measurements** including output voltage, leakage current, insulation resistance (IR), and polarization index (PI)
- ✓ **Adjustable test parameters** such as target voltage, maximum leakage current, ramp rate, and dwell time
- ✓ **Record and view test results** in internal memory
- ✓ **7" color touchscreen display** with adjustable brightness
- ✓ **Internal discharge solenoid**
- ✓ **HIPODirect Mobile App Compatible: View, Share, Upload** test reports to online cloud, and update firmware all through WIFI Direct

BENEFITS

- ✓ **Simple to Use** with minimal amount of setup time and intuitive control panel allows for simple testing
- ✓ **Sturdy and portable** design
- ✓ **User-friendly** touchscreen interface
- ✓ **Easy to share results** via USB transfer
- ✓ **Safe operation** with interlock and emergency stop

APPLICATIONS

- Cable Transformers
- Electrical Switchgear
- Motors
- Generators
- Other Electrical Apparatus



Controller & HV Transformer



TECHNICAL SPECIFICATIONS

| | | | | | | |
|---------------------------|----------------------|----------|---|--|--------------------------------------|--|
| Model Number | | | 8120PL-5*-DI | | 8170PL-5*-DI | |
| System Output (V) | | | 0 - 120kV DC | | 0 - 170kV DC | |
| System Output (A) | | | 5mA | | 5mA | |
| Polarity | | | Negative Output, Positive Ground | | | |
| Metering Accuracy | | | ± 1.5% of Reading ± 0.2% F.S. | | | |
| Ripple | | | Less than 2.5% | | | |
| Dimensions (W x H x D) | Controller | | 16.5 x 9 x 18 in (42 x 23 x 46 cm) | | | |
| | High Voltage Section | | 12 x 10 x 19 in (30 x 25 x 48 cm) | | 12 x 10 x 30 in (30 x 25 x 75 cm) | |
| Weight | Controller | Net | 25 lbs (11 kg) | | | |
| | | Shipping | 35 lbs (16 kg) | | | |
| | High Voltage Section | Net | 102 lbs (46 kg) | | 145 lbs (66 kg) | |
| | | Shipping | 122 lbs (55 kg) | | 165 lbs (75 kg) | |
| Input Voltage & Frequency | | | * In the model number, designate 'A' for 120V/60Hz input or 'B' for 230V/50Hz input | | | |
| Included Accessories | | | Input Cord, 6 ft (1.8 m) | | | |
| | | | Return Cable, 25 ft (7.6 m) | | | |
| | | | Interlock Plug | | | |

SYSTEM CONTROLS



High Voltage Section
(pictured right)



OPTIONAL EQUIPMENT & ACCESSORIES

| Part Number | Description |
|-------------|--|
| HHDA13-280 | Grounding Stick, 120kV Max Voltage |
| HH-HS-DI | Hand Operated Interlock Switch |
| HH-FS-DI | Foot Operated Interlock Switch |
| HH-WARN-DI | Safety Strobe Light with Magnetic Base |
| EXT-WARN-1 | One-year extended warranty |



HHDA13-280 Grounding Stick
(pictured above)

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