

## HVT-DI-UPG

### Digital AC Hipot Testers Control Upgrades – 30kV, 60kV, 100kV, & 120kV

The HVT-DI Series AC Hipot Testers are the most modern digital solution to AC field-testing of bucket trucks, aerial platforms, vacuum interrupters, breakers, switchgear, and other electrical apparatus. With HIPOTRONICS latest DI controller, customers can now upgrade their older Analog AC hipots with a better solution for high voltage AC testing.

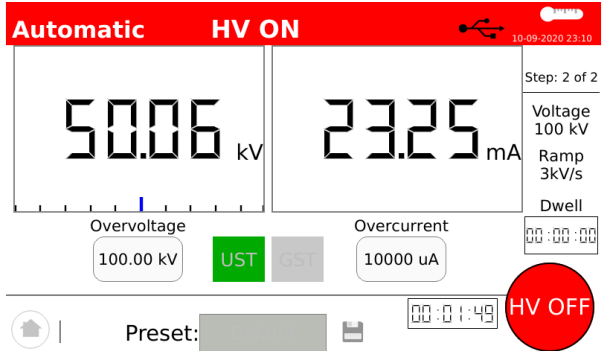
**The following Hipotronics models can be upgraded:**

120HVT-A, 100HVT-B, 60HVT-A, 60HVT-B, 30HVT-A, 30HVT-B. Upgrades to other supplier’s comparable AC hipots are possible, please consult factory.

**Hipotronics upgrades include:**

- Portable digital controls in rugged field case.
- Voltmeter probe that is calibrated to the new controls.
- HIPODirect compatible for wireless data transfer and firmware downloads.

The HVT Digital series upgrades assures accurate voltage and current measurements. A guard circuit prevents stray or surface leakage from being measured by the current meter. To ensure safe operation the unit is equipped with a fast-acting fuse, an external interlock, and E-Stop.



### FEATURES

- Lightweight, rugged design** for field use with wheels
- Multiple measurements** including output voltage, leakage current, impedance, and phase angle
- Adjustable test parameters** such as target voltage, maximum leakage current, ramp rate, and dwell time
- Record and view test results** in the internal memory
- 7” color touchscreen display** with adjustable brightness
- Most accurate current measurement** and guard circuit designed to eliminate stray leakage currents
- Meets ANSI/SIA A92.2** test specifications
- HIPODirect compatible** for wireless data transfer and firmware updates

### 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 WiFi using HIPODirect app or USB transfer.
- Safe operation** with interlock and emergency stop

### APPLICATIONS

- Brief Description
- Aerial Platform
  - Bucket Trucks
  - Hydraulic hoses
  - Hot Sticks, Gloves, and Ropes
  - Switchgears, Vacuum bottles, and Vacuum Interrupters

## TECHNICAL SPECIFICATIONS

<b>Model #</b>	<b>30HVT-DI-UPG</b>	<b>60HVT-DI-UPG</b>	<b>120HVT-DI-UPG</b>	<b>100HVT-DI-UPG</b>
<b>Current Ranges (auto)</b>	0 - 100µA / 0.1 – 10mA			0 - 1000µA, 0.1 – 100mA
<b>Voltage &amp; Current Measurement Accuracy</b>	± 1.5% of Reading ± 0.2% F.S.			
<b>Voltage Resolution</b>	100V			
<b>Current Resolution</b>	0.1µA			
<b>Voltage Divider Location</b>	External (Calibrated together with new controller)			
<b>Input</b>	90 – 265VAC, 50/60Hz			
<b>Duty Cycle</b>	5min ON / 5min OFF, repeated maximum of 6 times, then OFF for 2hrs			
<b>Dimensions (W x D x H)</b>	<b>Controller</b>	20in x 14in x 20in (50cm x 35cm x 51 cm)		
<b>Weight</b>	<b>Controller</b>	35lbs (16kg)		
<b>Safety Features</b>	Emergency Stop	Hand Operated Interlock Switch (optional)		External Warning Lamp (optional)
	Visual Warning Indicators	External Interlock		Foot Operated Interlock Switch (optional)
	Audible Warning Indicator			
<b>Display</b>	7" TFT , 800 x 480, Color Touch Screen			
<b>Interfaces</b>	USB 2.0 for Memory Stick or HIPODirect app			
<b>Output Data Format</b>	CSV			
<b>Calibration Interval</b>	1 year recommended			
<b>Languages</b>	English, Spanish, Portuguese, French, German, Mandarin			
<b>ECCN: 3A992.A</b>	<b>HTS: 9030.39.0100</b>			

	Electronic Components		High Voltage Components	
	Temperature	Humidity (r.h. non-condensing)	Temperature	Humidity (r.h. non-condensing)
<b>Operation</b>	-10°C ... +50°C	5 ... 95%	-10°C ... +50°C	5 ... 95%
<b>Storage</b>	-20°C ... +70°C	5 ... 95%	-20°C ... +70°C	5 ... 95%

## SCOPE OF SUPPLY

- New Portable Digital Controller
- 6ft input power cord
- Interlock plug
- Voltmeter probe
- USB drive with digital copy of manual
- Calibration certificate
- BNC Shorting plug
- 2ft Cable Adapter

## STANDARD OPTIONS

- HHDA13-280** – 120kV rated grounding stick
- HH-HS-DI** – Hand operated interlock switch
- HH-FS-DI** – Foot operated interlock switch
- HH-WARN-DI** – Safety Strobe light with magnetic base
- HH-CART-DI\*** – Hand cart to move HVT-DI controller and bonnet
- EXT-WARN-1** – One-year extended warranty

\* Note: New HVT-DI controller will not fit in older HVT carts.