HIPOTRONICS

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.

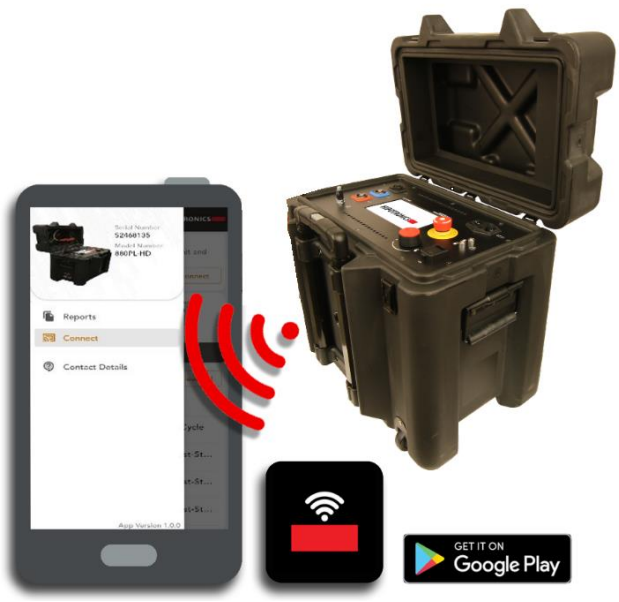
The following Hipotronics models can be upgraded:

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.

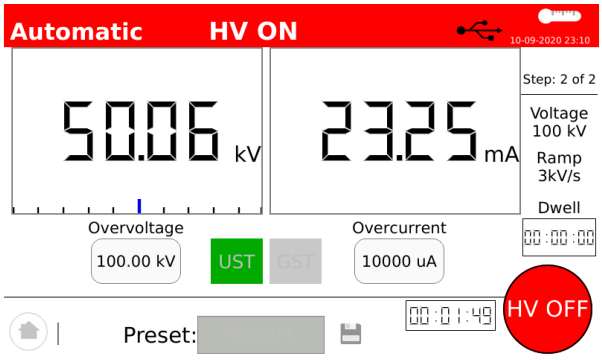
Hipotronics upgrades include:

- 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.



CE



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

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

	Electronic Components		High Voltage Components	
	Temperature	Humidity (r.h. non-condensing)	Temperature	Humidity (r.h. non-condensing)
Operation	-10°C … +50°C	5 … 95%	-10°C … +50°C	5 … 95%
Storage	-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.*

Hipotronics, Inc. 1650 Route 22. Brewster, NY 10509. United States
tel: + 1 845 279 9245 | fax: + 1 845 279 2467 | email: sales@hipotronics.com

Hipotronics has a policy of continuous product improvement. We therefore reserve the right to change design and specification without notice.