

HVT-DI Series

Digital AC Hipot Testers - 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. Each model includes a portable digital controls section and bonnet and is complete with an input line cord, interconnecting cable and ground leads.

The 120kV model is specifically designed for ANSI/SIA A92.2 specification procedures for testing insulating booms on work platforms and bucket trucks. Whereas, the 30kV and 60kV models are designed to perform quick and accurate AC dielectric tests. In addition, the 100kV model is designed for higher output current, up to 100mA at the 50kV tap. The HVT Digital series assures accurate voltage and current measurements using a high voltage divider and double current meter in the return leg of the high voltage transformer. 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.

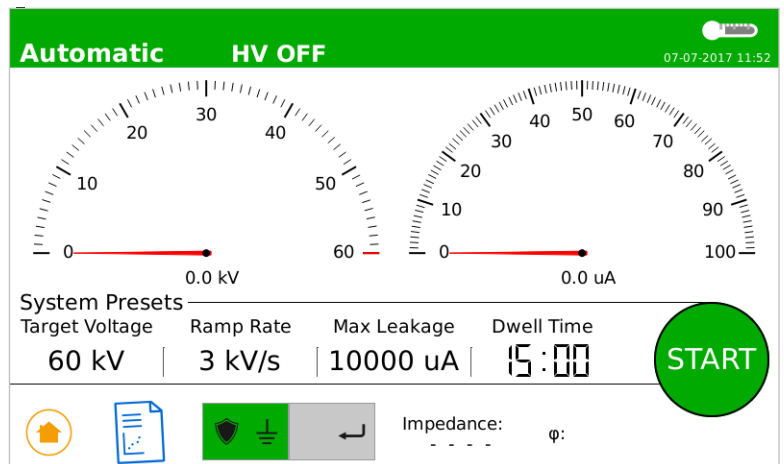


FEATURES AND BENEFITS

- ☑ Environmental friendly FR3™ transformer oil
- ☑ Lightweight, rugged design for field use
- ☑ Recorded test results and data transfer via USB2.0
- ☑ 7" color, touch screen display with adjustable brightness
- ☑ Safe operation with interlock, emergency stop, and battery backup for display meters if input power is lost
- ☑ Measures output voltage, leakage current, impedance, and phase angle
- ☑ Adjustable test parameters such as target voltage, maximum leakage, ramp rate & dwell time
- ☑ Minimal setup time and simple control panel
- ☑ Most accurate current measurement and guard circuit designed to eliminate stray leakage currents
- ☑ Meets ANSI/SIA A92.2 test specifications

APPLICATIONS

- Aerial Platform
- Bucket Truck
- Switchgear, Vacuum Bottles and Vacuum Interrupters
- Hot Sticks, Gloves and Ropes
- Hydraulic Hoses



TECHNICAL SPECIFICATIONS

Model #		30HVT-DI	60HVT-DI	120HVT-DI	100HVT-DI
System Output	Voltage	0-30kV AC	0-60kV AC	0-120kV AC	0-100kV AC
	Frequency	50/60Hz			
	Current	10mA			50mA (100kV Tap) 100mA (50kV Tap)
Current Meter		0-100uA / 0-10mA			0-1000uA / 0-100mA
Meter Accuracy		+/- 1% F.S.			
Voltage Divider Location		Internal or External		External	
Dimensions	Controller	19.5 x 13.7 x 20 in (50 x 35 x 51 cm)			
	Bonnet	17 x 13 x 13 in (36 x 30 x 33 cm)	17 x 14 x 15 in (43 x 36 x 38 cm)	16 x 24 x 14 in (41 x 61 x 33 cm)	
Weight	Controller	35lbs (16kg)			38lbs (17kg)
	Bonnet	30lbs (14kg)	68lbs (31kg)	135lbs (61kg)	
Input		120V - 240V, 50-60Hz			
Duty Cycle		5min ON / 5min OFF repeated max 6 times, then OFF for 2hrs			








SYSTEM CONTROLS



SCOPE OF SUPPLY

- 25 ft HV Interconnect Cable
- 25 ft HV Return Cable (BNC)
- 15 ft HV Ground
- 6 ft Input Power Cord
- Interlock Plug
- Calibration Certificate
- Operations Manual
- BNC Cable

OPTIONAL ACCESSORIES

- 
HHDA13-280
120kV rated grounding stick
- 
HH-VMP60 / HH-VMP120
60kV / 120kV rated Voltmeter Probe
- 
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
- 
HH-CART-DI
Hand cart to move HVT-DI controller and Bonnets (30kV, 60kV, & 120kV)

OFFICES:

Europe
Haefely Test AG
Birsstrasse 300
4052 Basel
Switzerland

☎ + 41 61 373 4111
☎ + 41 61 373 4912
✉ sales@haefely.com

China
Haefely Test AG Representative Beijing Office
8-1-602, Fortune Street
No. 67, Chaoyang Road, Chaoyang District
Beijing, China 100025

☎ +86 10 8578 8099
☎ +86 10 8578 9908
✉ sales@haefely.com.cn

North America
Hipotronics, Inc.
1650 Route 22 N
Brewster, NY 10509
United States

☎ +1 845 279 3644
☎ +1 845 279 2467
✉ sales@hipotronics.com