

# HVT Series

AC Hipot Testers - 30kV, 60kV, 100kV & 120kV



■ The HVT Series of AC Hipot Testers are an economical solution to field-testing of bucket trucks, aerial platforms, vacuum interrupters, breakers, switchgear, and other electrical apparatus. Each model includes a handcart for portability and is complete with an input line cord, interconnecting cable and ground leads.

The 100kV and 120kV models are 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. The HVT series assures accurate voltage and current measurements using a high voltage divider and triple range 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 circuit breaker, zero start interlock and provision for an external interlock.



## FEATURES

- ☑ **Environmental friendly FR3™** transformer oil
- ☑ **Compact portable** hand cart design
- ☑ **Zero start** interlock
- ☑ **Single end grounded** high voltage test transformer
- ☑ **Separate guard and return**
- ☑ **Metering accuracy**  $\pm 2\%$  full scale
- ☑ **High voltage divider**
- ☑ **Triple range** voltage and current meters
- ☑ **Fast acting** overload circuit breaker
- ☑ **External** interlock provision

## BENEFITS

**Ideal for field testing** applications.

**Safety** of zero start and external interlock prevent high voltage from being energized until operator is ready.

**Minimal setup time** and simple control panel.

**Accurate current measurement** and guard circuit designed to eliminate stray leakage currents.

**Meets ANSI/SIA A92.2** test specifications.

## APPLICATIONS

- Aerial platform
- Bucket truck
- Vacuum bottles
- Vacuum interrupters
- Switchgear
- Hot sticks
- Gloves
- Ropes
- Hydraulic Hoses

**TECHNICAL SPECIFICATIONS**

Model Number	30HVT-*	60HVT-*	100HVT-*	120HVT-A
System Output (V)	0 - 30 kV AC	0 - 60 kV AC	0 - 50kV AC 0-100kV AC	0 - 120kV AC
System Output (A)	10mA	10mA	50mA (100kV Tap) 100mA (50kV Tap)	10mA
Voltage Meter	0-6/12/30kV	0-12/30/60kV	0-25/50/100kV	0-30/60/120kV
Current Meter	0-0.250/1/10mA		0-1/10/100mA	0-.250/1/10mA
Metering Accuracy	±2% of full scale			
Voltage Divider Location	Internal		External	
Dimensions (W x H x D)	17.4 x 31.9 x 14.5 in (44.2 x 36.8 x 81.0cm) (Including handcart)			
Weight	Net	82lbs (37kg)	97lbs (44kg)	240lbs (109kg)
	Shipping	175lbs (80kg)	196lbs (89kg)	306lbs (139kg)
Input Frequency	50/60 Hz			
Input Voltage	* In the model number, designate 'A' for 120V input or 'B' for 230V input			120V

**SYSTEM CONTROLS**



**OPTIONAL EQUIPMENT & ACCESSORIES**

Part Number	Description
HHDA13-280	Grounding Stick, 120kV Max Voltage
SPK1-30HVT	Spare Parts Kit for 30HVT
SKP1-60HVT	Spare Parts Kit for 60HVT
SPK1-100HVT	Spare Parts Kit for 100HVT
SPK1-120HVT	Spare Parts Kit for 120HVT
EXT-WARN-1	One year extended warranty



HHDA13-280 Grounding Stick  
(pictured above)

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