

## High Voltage Test Set : HTHVT

The Hi-Trans Hi-Pot tester HTHVT series offer wide range of test voltages to determine the withstand capacity of electrical insulation for the normally occurring over voltage transient's .This series has models which can generate both AC & DC Voltages to eliminate need of two separate kits. The manual / motorized controlled operation provides continuous variable output voltage. The Kits are provided with selectable tripping current to identify breakdown voltage of different test objects. The timer is useful to set duration of test period. HV indication & overload protection provided for safety of operator & Kit.

### Features

- Continuously variable output voltage
- Selectable trip current
- Zero start interlock
- Timer to set duration of test
- Audio/visual indications
- Overload protection
- High leakage current range
- Wheel mounted for easy transportation



### Applications

The HTHVT is used to verify quality of insulation between any equipments current carrying components & its enclosure or insulation. The high voltage is applied to insulation of equipment under test, as defined as per voltage rating of equipment. The resulting leakage current flowing through its insulation is measured. The set will give trip command if exceeded than its predefined value.

- Transformer, Generator, switch gear testing
- Cable & wire testing
- Domestic appliance testing
- Capacitor
- Coils & chokes
- Power Utilities, Substations

## Technical Specifications

Model	HTHVT5	HTHVT10	HTHVT15	HTHVT25	HTHVT30	HTHVT40	HTHVT50	HTHVT70
Output Voltage	5KV	10KV	15KV	25KV	30KV	40KV	50KV	70KV
Tripping current	Options 1) 50mA or 2) 100mA, Selectable at (25%-50%-100%) of full range							
Burden 50mA range	0.25KVA	0.5KVA	0.75KVA	1KVA	1.5KVA	2KVA	2.5KVA	3.5KVA
Burden 100mA range	0.5KVA	1KVA	1.5KVA	2KVA	3KVA	4KVA	5KVA	7KVA
Type of Voltage	AC , DC , AC-DC							
Display(V/I)	Digital meter				Analog meter			
Voltage Meter	0-5KV	0-10KV	0-15KV	0-25KV	0-30KV	0-40KV	0-50KV	0-70KV
Voltage Accuracy	±2% of reading				±2% of reading			
Voltage Resolution	0.01 KV				2KV			
Current Accuracy	±2% of reading				±2% of reading			
Current Resolution	0.1 mA				2mA			
Mains supply	230 /415 Vac 50Hz ±10% Selectable							
Duty cycle	15 min On, 10min Off							
Timer	0-999 seconds							
Timer Accuracy	±0.05%							
Operation	Manual				Motorized			
Cooling Type	Air cooled				Air / Oil cooled			Oil cooled
Indication	Bright LED for Power ON & Test ON							
Protection & safety	Protected by MCB HRC fuse Zero start interlock							
Operating temp	0-55°C ,5-90% RH Non Condensing							

### Standard Accessories

- Interconnecting cable
- Grounding cable
- Instruction manual
- Warranty certificate
- Calibration certificate

### ORDERING INFORMATION

Model	Product detail
HTHVT5	5 KV High Voltage Tester
HTHVT10	10 KV High Voltage Tester
HTHVT15	15 KV High Voltage Tester
HTHVT25	25 KV High Voltage Tester
HTHVT30	30 KV High Voltage Tester
HTHVT40	40 KV High Voltage Tester
HTHVT50	50 KV High Voltage Tester
HTHVT70	70 KV High Voltage Tester
Note: while ordering need to mention 1) Type of voltage : AC, DC or AC-DC 2) Tripping Current Capacity : User Selectable	

**Warranty :** Standard one year warranty against any manufacturing defects.

### Notes

\* 1.The Instrument is accompanied with Test & calibration sheet. 2.Test Facilities can be provided at the factory with the available test set-ups only. 3. The Company's policy is continuous improvement of its products. We therefore reserve the Right of any deviation from illustration or specifications without notice. 4.We also provide customized High voltage test set as per requirement



Designed and Manufactured by:

### Hi-Trans Technologies

Sh.No.2 Housing Board Colony, Kailash Nagar

Bhilai Nagar, DURG -490023 CHHATTISGARH

Contact : 7067120004 / 9028026542

E-mail: [hitrans07@gmail.com](mailto:hitrans07@gmail.com) visit : [www.hitranstech.com](http://www.hitranstech.com)

