



## HV TEST SETS

The Giri Trading Hi-Pot tester HVT 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.

The HVT 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.

## FEATURES

- Continuously variable motorized/manual output from zero voltage
- Panel mounted controls and LED indicators.
- Analog/Digital voltmeter & Ammeter-for easy to read voltage and current
- Output voltmeter with memory effect-easy to read the voltage after trip
- Selectable trip current



## APPLICATIONS

- Power Utilities, Substations
- Transformer, Generator, switch gear testing
- Bus.bar and Cable testing
- Domestic appliance testing



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### TECHNICAL SPECIFICATIONS

- Input voltage : 230V ± 10 % 50 HZ
- Output voltage : as per table below
- Output voltage Accuracy : ± 2 %
- Control : Motorized/Manual
- Duty Cycle : 2 minutes ON 15 minutes OFF
- Interlocking : Zero-start interlocking for H.V. output

Model	Output Voltage HV	Leakage/ Tripping Current mA	AC/DC	Tripping Current Selection Steps	Cooling Provided
HVT – 5/100AC	5 KV	100mA	AC	25 – 50 – 100mA	Air
HVT – 5/100DC	5 KV	50mA	DC	50 – 100mA	Air
HVT – 10/100AC	10 KV	100mA	AC	25 – 50 – 100mA	Air
HVT – 20/100AC	20 KV	100mA	AC	25 – 50 – 100mA	Air
HVT – 25/100DC	25 KV	20mA	DC	25 – 50 – 100mA	Air
HVT – 40/100AC	40 KV	100mA	AC	25 – 50 – 100mA	Air
HVT – 50/100AC	50 KV	100mA	AC	25 – 50 – 100mA	Air
HVT – 50/100Dual	50 KV	100mA	AC/DC	25 – 50 – 100mA	Oil
HVT – 60/50AC	60 KV	50mA	AC	25 – 50 – 100mA	Oil
HVT – 75/100AC	75 KV	100mA	AC	25 – 50 – 100mA	Oil
HVT – 80/20DC	80 KV	20mA	DC	10 – 20mA	Oil
HVT – 100/100AC	100 KV	100mA	AC	25 – 50 – 100mA	Oil

### TECHNICAL SPECIFICATIONS

- Standard Accessories
- Mains wires 3 cores, 4 meter long.
- Inter connecting cable 5 meter long.
- Discharge rod for DC range.
- Instruction manual.

### TECHNICAL SPECIFICATIONS

- Safety Specification:
- Zero start interlock.
- Audio & Visual alarms.
- Fast acting over load circuit breaker.
- MCB-magnetic overload protection.
- Fast acting D.C. relay isolates the H.T. at trip level.

### PHYSICAL SPECIFICATION:

- | LED Indicators : Mains, HT OFF, HT ON, READY, Breakdown.
- | Control Unit : Switches, MCB, Indicators, Variac etc. in a sheet metal case with castors wheels.
- | H.T. Unit : Sheet steel tank with castors wheels and lifting lugs.
- | Termination : H.T. End insulated and other end at esrth potential.