



## HVG 40 / HVG 70

### High Voltage Test Set

The High Voltage Test Set HVG or Di-electric Hi-Pot tester is highly reliable, accurate and rugged tool to check the quality of dielectric strength of the insulation in power cable, capacitors, transformers and many electrical components. This test also called as Dielectric breakdown test. The AC/DC Hi-Pot test is extremely important to identify the deterioration in the insulation as early as possible to take corrective measures.

The AC/DC Hi-Pot test is an important part and parcel of the electrical safety tests mandated by standards organization world-wide, more than 80 per cent of faults in electrical and electronic systems are due to weak insulation caused by environmental factors such as dirt, grease, temperature stress, humidity, etc that affect the dielectric strength of the insulation material.

### Features

- ✓ Fully protected operation with safety interlocks.
- ✓ Easy to perform AC/DC high voltage/ High pot test.
- ✓ Comprehensive safety operation.
- ✓ Continuously adjustable output voltage from 0 to 100%.
- ✓ Output over current tripping facility.
- ✓ Selectable current ranges for precise leakage current readings.
- ✓ Emergency off switching facility in case of any emergency.
- ✓ Supplied with separate control and high voltage unit.
- ✓ Timer provision to switch off the equipment automatically after the preset time setting.
- ✓ Pre-location cable faults in decay or voltage transient mode in with conjunction suitable pre-locator.
- ✓ Rugged construction and easy to carry on site.

### Applications

**DC Test :** DC high voltage tester is used to check die-electric strength of power cable, DC high voltage capacitors many others DC components.

**AC Test :** AC high voltage tester is used to check insulation properties of Transformers, Switchgear & Relays, Motors, Coils & Chokes, Generators, Capacitors, and other electrical AC apparatus in power transmission and distribution network OR manufactures .

## Technical Details

### HVG SERIES

Specifications	HVG 40	HVG 70
Output Voltage	0-40 kV continuously variable	0-70 kV continuously variable
Output Current	5 mA, 10 mA & 20 mA manually selectable ranges	5 mA, 10 mA & 20 mA manually selectable ranges
Output Current	Analog Meter for output voltage (KV)	
Indication	ON/OFF indication	
	Over Heat LED indication	
	Over Current Trip LED indication	
Digital Version (Optional)	Available	
Protection	Circuit Bracker in Mains input	
	Variat Zero Inter Lock	
	Built in Auto Discharge	
	Over Current Trip	
	Over Temperature Trip	
Cooling	Air Cooled	
Duty Cycle	3 min ON / 10 min OFF	
Timer Mode	Manually selectable as required	
Mode of operation	Manual	
Output Voltage Control	Controlled manually through variac	
Power Supply	230V AC $\pm 10\%$ , 50 Hz, Single phase	
Working Temp.	0°C - 55°C	
Storage Temp.	-5°C - 60°C	
Unit Structure	Single Unit Device	Comes with Control Unit and HV unit
Dimensions	525mm(L) x 300mm(W) x 470mm (H) + Handle 50mm + Wheel 65mm	Control Unit - 525 x 250 x 310 mm HV Unit - 550 x 600 x 1100 mm
Approx. Weight in Kg	40 kg Approx	Control Unit - 22 kg - HV Unit - 95Kg

## Standard Accessories

- HV Output Cable 10 sq mm single core screen cable 5 meter length with heavy duty clamp.
- Mains supply cord 10 meter length.
- Yellow / Green 10 sq mm earthing cable 5 meter length.

### NOTE :

- Standard warranty : 12 months
- Picture are for illustration purposes only
- Cable of other lengths shall be available as per requirement
- Specificatios can be changed without any notice
- Handles and wheels are not considered in mentioned size
- AC & DC combine module are available as per requirement
- Size and weight may increase for optional features as well as other ratings
- Other voltage rating are also available on request