



# H.V. TEST

Specialists in High Voltage  
Testing & Diagnostics

## HVSG1000-16 16kV Portable surge wave generator

The HVSG1000-16 is a 16kV surge wave pulse generators, specially designed to locate faults in power cables.

The output voltage can be continuously adjusted in the ranges 0-4kV, 0-8kV and 0-16kV.

An energy peak of 1000J at each range provides the power needed to accurately pinpoint an acoustic cable fault in conjunction with the listening set.

It incorporates earthing that in case of disconnection the internal capacitors and the installation tested are automatically discharged.

The earthing, power and AT terminals are located on the back of the unit and are easily accessible to the operator.

Optionally, a filter can be incorporated for the ARC (Arc Reflection Method) method, as well as the high voltage source function for dielectric continuous current testing.

Projects

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### Features:

- Compact, portable and sturdy unit.
- Voltage adjustable continuously.
- Automatic grounding.
- Optimized de-energization energy by means of a capacitor switch.
- High energy peak for accurate and effective location

# H.V. TEST

Telephone: +27 11 782 1010

Email: [sales@hvtest.co.za](mailto:sales@hvtest.co.za)

Website: [www.hvtest.co.za](http://www.hvtest.co.za)

Address: 17 Gaiety Avenue, Robindale, Randburg



# HVSG1000-16

## 16kV Portable surge wave generator

### TECHNICAL SPECIFICATIONS

#### Specifications

- DC output power 0 – 4kVcc 0 – 8kVcc 0 – 16kVcc
- Peak power per scope @ 4kVcc – 1000J  
@ 8kVcc – 1000J  
@ 16kVcc – 1000J
- Weight 130kg
- Grounding Automatic
- Coupler ICE (Impulse Current Method)
- Dimensions mm. (h x w x d) 650 x 750 x 480
- Power supply 220 Vca/50Hz (110 Vca/60hz optional)
- Operating temperature -10 °C ... +50 °C

#### Included

- 220 VAC power cable.
- 5m HV shielded cable.
- 10m protective ground cable.
- 3m external DC power supply cable.
- Operation manual.

#### Optional

- ARC Filter (Arc Reflection Method)

