



HV-IG1505S

High Voltage Impulse Generator 150kV, 225J, 5Stage



The **HV-IG** is an Impulse Generator Test Kit which has been designed and fabricated keeping in view the requirements of the educational institutions and industries in India and abroad.

The control panel is specially designed to have all necessary and sufficient controls including the meters for the measurement of various parameters. Provision is also provided to measure the charging voltage for single stage.

The necessary isolation transformer, variac for input voltage control, Emergency Switches, Indicators, etc are all mounted in the control desk to make the equipment more compact and handy.

Features

- Bleeding resistors
- Loading capacitors
- Resistance dividers
- Wavefront resistors
- Wavetail resistors
- Stage Charging resistors
- Equipotential resistors

Standard Specifications

Type of Waveform	: Lightning Impulse
Generator Capacity	: 150kV
Energy	: 225J
Number of stages	: 5
Voltage per stage	: 30kV
Polarity	: +ve and -ve
Waveform	: 1.2/50 μ s
Rectifier	: 100kV with PIV of 250kV
Bleeding Resistor	: 100kV, 100Meg
Resistance Divider	: 150kV
Loading Capacitor	: 150kV
Sphere Diameter	: 50mm
Input Power Supply	: 1ph 230V AC, 50Hz
Operating Temperature	: -5°C..... +45°C
Storage Temperature	: -20°C..... +60°C

Safety

- Emergency Off
- Door Interlock
- Zero Interlock
- Earthing Rod
- Signs and warning indicators

Standard Delivery Includes

Impulse Generator, Control Desk, Trigger Unit, Oscilloscope, Probe, Power Cable, Delay Cable, Connecting Wires, Instruction Manual, Test/Calibration Certificate

Other Models

HV-IG-3003S	-	300kV, 3kJ, 3 Stage
HV-IG-4004S	-	400kV, 4kJ, 4 Stage

All models are available with both Analog and Digital meters.

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*** High Voltage (India) has a policy of continuous product improvement. Therefore we reserve right to change design and specification without notice. Images shown are illustrative only.