

High Voltage Surge Generator

SG5.500



Product Overview

- Generates a DC surge voltage suitable for the following methods in combination with optional devices:
- TDR Time Domain Reflectometry (with TDR.Series time domain reflectometer)
- ICM impulse current method
- MIM/ARC secondary/multiple impulse method coupling possible with the TDR.950 time domain reflectometer)
- Acoustic pin-pointing with our advanced digital GM.Series universal receiver and accessories set

Key Features:

- Integrated design, built in power capacitor to avoid leakage
- High voltage directly connected to cable, easy operating and safety.
- Multiple safety protection, zero voltage starting, auto leakage voltage when power off.
- Industrial wheeling case for ease of movement on site.

Multiple working mode's such as:

- ✓ Single surge used for fault distance measuring
- ✓ Cycle surge used for fault pinpointing

Standard Accessories:

Instrument composition list and diagram					
Name	Qty.	Photo	Name	Qty.	Photo
Host	1		Power cord	1	
HV output line	1		Ground wire	1	
8A Fuse	5		Discharge rod	1	

Technical Specifications:

- Mains supply 220-230 V
- Option: 110-120 / 240 V with external Isolating transformer
- Mains frequency 45 Hz to 60 Hz
- Output surge voltage 0-5KV, Continuously variable
- Impulse sequence single-shot pulse or Variable
- Impact power 400W
- Max. surge energy 500J, Energy Capacity 8uF
- Impulse frequency 0-20 Imp/min
- Operating temp -10 °C to +40°C
- Humidity 5-90%RH
- Elevation <4500m
- Weight with housing 22 kg
- Dimensions 500mmx400mmx400mm