

# High Voltage Surge generator

## SG32.1000

### Product Overview

Generates surge and DC voltage  
Suitable for the following methods in combination with optional devices:

TDR Time Domain Reflectometry (with TDR.750 time domain reflectometer)

SIM/MIM secondary/multiple impulse method (with MIM.7505 SIM/MIM coupling unit and TDR.750 time domain reflectometer)

ICM impulse current method

Acoustic pin-pointing (with GM.850N universal receiver and accessories set)

DC voltage testing up to 32 kV



### Measuring Function:

Mains supply Option:	220-230 V 110-120 / 240 V with external Isolating transformer
Mains frequency	45 Hz to 60 Hz
Output surge voltage	0~32KV, Continuously variable
Impulse sequence	single-shot pulse or 6 seconds
Max. surge energy	1000J, Energy Capacity 2uF
Impulse frequency	0-20 Imp/min, DC Mode
Max. DC output current	76mA
Operating temp	-10 °C to +40°C
Humidity	5-90%RH
Elevation	<4500m
Weight with housing	22 kg
Dimensions	500mmx400mmx400mm

### 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.
- Multiple working mode's such as:
  - ✓ Single surge used for fault distance measuring
  - ✓ Cycle surge used for fault pinpointing
  - ✓ DC surge used for flashover cable fault

### Standard Accessories:

• Generator main unit	1
• HV Cable 5 meter	1
• Earthing Cable 5 meter	1
• Protective Earth	1
• Power Cord	1
• Discharging rod (with cable & Clip)	1
• User Manual	1