

Data Sheet



Surge Voltage Generator SSG 8

Surge voltage generators enable accurate location of high resistance, low resistance and intermittent faults on high, medium and low voltage cables.

Output voltage is continuously adjustable in the ranges 0 - 2 kV, 0 - 4 kV and 0 - 8 kV.

Discharging of high voltage capacitors into the faulty cable can be made continuously or cyclically via surge switch. When the instrument is switched off, the connected cables and the internal surge capacitors are automatically discharged separately from each other.

Features

- high surge voltage up to 8 kV
- voltage is adjustable continuously
- 3 range kV-meter direct reading
- high surge energy in each voltage range
- automatic discharging device
- electromagnetically operated surge switch with heat resistant tungsten electrodes
- security control according to VDE 0104
- output socket for optional remote Emergency-Off unit with signal lamps
- 4 selectable operating programmes:
 - single pulse
 - low impulse frequency
 - high impulse frequency
 - DC output
- thermal overload protection
- control output for SIM-MIM coupling unit

Technical data



ENSURING THE FLOW.

	SSG 8
mains supply	110-120 / 240 V with external autotransformer, 220-230 V
mains frequency	45 Hz bis 60 Hz
max. power consumption (at short circuit)	3.000 VA
max. output voltage	8 kV
output voltage range	0 - 2 kV 0 - 4 kV 0 - 8 kV
max. surge energy	1000 Ws
impulse frequency	10, 20 Imp. / min
max. DC output current	
voltage range 0 - 2 kV	1000 mA
voltage range 0 - 4 kV	500 mA
voltage range 0 - 8 kV	250 mA
precision of the kV-meter	1,5
operating temperature range	-20 °C bis +50°C
weight without housing	98 kg
dimension of the housing (W x H x D)	approx. 514 x 645 x 730 mm

Delivery includes

- surge voltage generator without accessories
- mains connection cable (2,5 m)
- HV connection cable (4 m)
- ground line (10 mm², 4 m)
- jumper plug for Emergency-Off socket
- user manual
- for stand alone use a 19" housing is required (see below options)

Options

- 19" housing 14U; without carrying bars
- 1 pair of heavy duty carrying bars for 19" housing