

SURGE CURRENT GENERATOR

PG 10-10000

Surge current:

8/20 μ s

2 * (1- 50) kA

acc. to IEC 60

**pulse current testing of
surge protection devices**



The SURGE TEST GENERATOR PG 10-10000 delivers surge current pulses with the waveform 8/20 μ s, acc. to IEC 60. It was designed for testing surge protection devices. Moreover the generator can be used for testing two-gap over-voltage protectors. It delivers surge current pulses synchronous at two impulse current outputs, peak value adjustable 0.5 - 50 kA for each output. Positive or negative polarity of output current can be selected.

Output terminals are located on the top of the generator and are protected by an isolating cover, see option 1. The safety test cover has a limit switch, which is connected to interlock loop of the generator. Interrupting the safety interlock loop causes deenergization of the high-voltage pulse generator and discharging of the energy storage capacitor.

PG 10-10000 features a microprocessor controlled user interface and display unit for ease of use. The microprocessor allows the user to define and execute test sequences. The test parameters, which are shown on the built in display, are easily adjusted by means of the rotary encoder. A standard parallel interface provides the ability to print a summary of the test parameters whilst testing is being carried out.

