

High-Voltage Impulse Generator

PG 12 - 1440

Lightning surge:**1.2 / 50 μ s****0.5 - 12 kV****Switching surge:****10 / 700 μ s****0.5 - 12 kV****acc. to CCITT, ITU-T, IEC**

The high-voltage impulse generator PG 12-1440 standard impulse voltages with waveforms 1.2/50 μ s or 10/700 μ s. Output voltage is adjustable between 0.5 kV and 12 kV. The polarity of the output voltage is selectable. Positive, negative or alternating polarity of the output voltage can be pre selected.

It is designed for dielectric testing of components and systems acc. to CCITT-K17/K20-K22. The pulse forming network is referred to ground. The high-voltage output is available at a coaxial connector.

A built-in voltage divider 1000:1 allows monitoring of the impulse output waveform during testing.

PG 12-1440 features a microprocessor controlled user interface and display unit for ease of use. The microprocessor allows the user to execute either standard test routines, or a 'user defined' test sequence. 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.

External coupling units with 2*25 Ω or 4*25 Ω as well as coupling networks designed for testing telecom equipment with up to 80 ports at reduced output voltage are available. They are controlled from the generator via optical-link.

