

# High-Voltage Impulse Generator

## PG 14 - 1960

### Lightning surge

10 / 700  $\mu$ s  
and  
0.5 / 700  $\mu$ s

### Output voltage

0.2 - 14 kV

acc. to CCITT, CNET etc.



The high-voltage impulse generator PG 14-1960 generates standard impulse voltages with waveforms 10/700  $\mu$ s. The output waveform can be switched to 0.5/700 $\mu$ s wave. Output voltage is adjustable between 0.2 kV and 14 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, ITU-T/K44, IEC 61000-4-5, EN 61000-4-5, VDE 0847. Two high-voltage outputs with a series resistor of 25  $\Omega$  for direct testing of A - B wires are available.

External 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.

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

PG 14-1960 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.

