

HV-IMPULSE GENERATOR IPG 2025 / IPG 2436

1.2 / 50 μ s
2 kV - 20 kV /
2 kV - 24 kV

**Surge testing acc to:
IEC....., EN.....,
VDE.... etc.
standards**



HV - Impulse generators IPG 2025 and IPG 2436 create standard impulse voltages with waveform 1.2 / 50 μ s acc. to IEC 60. They are designed for testing impulse dielectric strength of components, insulations, air- and surface flash-over gaps acc. to IEC/EN 60664, VDE 0110, VDE 0411, VDE 0420 etc..

The peak value of the test voltage is continuously adjustable from 2 - 20 kV or 2 - 24 kV. Positive or negative polarity of output voltage can be selected. A built-in voltage divider 1000:1 allows monitoring of the impulse output waveform during testing.

The generators possess two high-voltage outputs with different source impedance. The HV output terminals are located beyond a dielectric cover with safety interlock. The transparent test cabinet prevents accidental contact with live parts of the test object and allows observation of the test object during testing.

The generator output possesses a current monitor detecting breakdown or flashover of the test object. The threshold of the current monitor is adjustable.

The generator features a microprocessor controlled user interface and display 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.

Moreover, all generator functions may be computer controlled via the isolated optical interface. The software program IPG-TEST allows full remote control of the test generator and documentation and evaluation of test results.

The generator excels by its compact design, simple handling and precise reproducibility of test impulses. The generator comprises a maintenance-free semiconductor switch.

