

HIGH-VOLTAGE PULSE GENERATOR

IPG 602

Impulse voltage 6.0 kV, 1.2 / 50 μ s

The HV-impulse generator Type IPG 602 delivers standard impulse voltage with waveforms 1.2/50 μ s acc. to IEC 60. The generator simulates surges caused by switching of inductive loads, power system switching, lightning strokes etc. It is designed for testing of impulse dielectric strength of components, insulation, air- and surface flash-over gaps.

The peak value of the test voltage is continuously adjustable from 0.2 kV to 6 kV. Positive and negative polarity of output voltage can be selected.

Remote control: All generator functions can be remotely controlled by the built-in low-level remote control interface. As an option, a PCL-interface can be integrated. The peak value of the test voltage can be presetted by an 8-bit digital input.

Technical specification:	IPG 602
Charging voltage V_o , adjustable	2 - 6.3 kV
Digital read-out for charging voltage	2 - 6.0 kV
max. energy stored	2.0 Wsec
Peak value of impulse output voltage	2 - 6 kV $\pm 10\%$
Wave form of impulse output voltage, acc to IEC 60	1.2/50 μ s $\pm 30\%/\pm 20\%$
Polarity of impulse output voltage, switchable	pos./neg.
Max. charging time	1.0 sec
Triggering: a) manual	push button
b) external, via remote control	PCL-signal
Impulse voltage divider integrated	ratio = 1000:1 $\pm 2\%$
Remote control via low-level signals	built-in
Set point value for charging voltage, analogue input:	0-10 V = 0-100 %
Supply voltage for external safety interlock	24V-DC
Mains supply voltage	230V / 50-60 Hz
Dimensions: 19"-cabinet, 3/4 units	455*130*285/470 mm ³
Weight	7.5 kg
Accessory included:	Mains cable, safety interlock connector, instruction manual
Option 1:	Remote control via PCL-interface, external set point value, 8-bit

Technical data subject to change

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