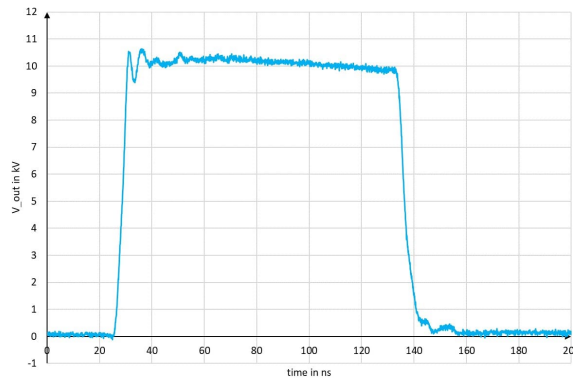


# 10 kV Nanosecond Pulse Generator

Montena develops repetitive high voltage pulsers for applications requiring nanosecond pulses, for example for plasma generation, electroporation or pulsed electric fields (nsPEF).

The applications are diverse in the fields of biotechnology, agri-food, dental and veterinary medicine, surface treatment, gas pollution control, and more.



Example of waveform on a 50 Ohm load

## SPECIFICATIONS

<b>Type</b>	<b>PGR-10KV-50R</b>
Output voltage	0.5 to 10 kV, on a 50 Ohm load
Load impedance	50 Ohm
Pulse rise time (10 - 90 %)	5 ns typ.
Pulse duration	60 to 160 ns, programmable
Pulse repetition frequency	up to 1 kHz, programmable
HV pulse output connector	HVI-20K-S (proprietary)
Control interface	Modbus or ASCII based commands, RS485, sub-D connector
Pulse monitoring	1:1000 analogue divider, N-type connector
Power rating	90 - 264 Vac / 47 - 63 Hz / 700 W
Dimensions (L x H x W)	520 x 190 x 450 mm
Weight	28.5 kg

Other models available upon request (for instance: higher output voltage, PRF up to 2 kHz, or other impedance).