

OPGS BURST GENERATOR

<http://www.optel.eu>

OPGS is an universal, multi/channel burst generator, able to excite ultrasonic transducers within wide range of frequency, with regulated voltage amplitude, built-in multiplexer. The generator can work with diverse signal acquisition devices. It is especially suited for work with our OPCARD2.0 or OPBOX.2.0.

Generator has opportunity to work with specialized software package, running on the Windows 95/98/ME/2000/XP/VISTA/7.0.

On customer request, the parameters of the generator can be adapted to specific requirements.



Features:

- opportunity to work in either continuous or burst mode;
- regulated number and repeatability of burst;
- adjustable amplitude generated wave;
- internal or external triggering;
- built-in multiplexer with configurable number of pulser-receiver channels;
- adjustable receiver amplification;
- dimensions: 252x262x150mm;
- remote control: USB 1.1 or USB 2.0;
- cooperation with specialized software package, running on the Windows 95/98/ME/2000/XP/VISTA/7.0;;
- power supply: 230V/1A

Technical Data:

Operating frequency:	500 – 500kHz. adjustable, step: 1 Hz
Generated signal amplitude:	0,2 – 80Vpp, regulated, step: 0,2Vpp
Burst length:	to 2000
Interval between bursts:	to 2000
External triggering:	max 250kHz
Output power:	max 80W
Transducer impedance:	optimal 16Ω, min 10Ω
Multiplexer channels:	max. 16
Multiplexer Input voltage:	0,5Vpp
Amplification:	-4,5 – 55,5dB adjustable, step: 0,5dB
Output voltage:	to 6 Vpp