

UG SG 7.11/09

Universal, multichannel burst generator

<http://www.optel.pl/manual/english/ugsg.htm>

UG SG is an universal, multichannel burst generator, able to excite ultrasonic transducers with the frequency of 500Hz – 500kHz, with regulated amplitude up to 80Vpp and maximum Power of 80W with integrated 16 channel send-receive multiplexer, with continuously regulated amplification for each channel (4.5 to 55dB).

The generator can work with diverse signal acquisition devices. It is especially suited for work with our OPCARD or OPBOX.



Specification:

Power supply:

- Voltage: 230V AC / 1A
- Power: max 200W

Dimensions: (Length x Width x Height) 252x x262x150 [mm]

Parameters:

Modes of work:	Continuous or burst
Bandwidth:	500-500kHz; with 1Hz step
Signal amplitude	0.2 - 80Vpp; with 0.2Vpp step
Burst length	Max. 2000 periods
Interval between bursts	Max 2000 periods
Output power	max 80W
Output impedance	min 10Ω: optimal: 16Ω
Trigger	Internal or external (max 250kHz)

Receiving channel parameters:

- Multiplexer: Max 16 send - receive channels
- Max input voltage: 0.5 Vpp
- Receiver bandwidth: 500Hz - 500kHz
- Amplification: -4.5 - 55.5dB, 0.5dB step
- Max output voltage: 6Vpp

Interface: USB 1.1 / 2.0

Description:

This burst generator is made for laboratory and industrial use. Due to the broad spectrum of load impedances it can be used with almost any ultrasonic transducer.

Additional information:

We can make the device with options and parameters that suits to the requirements of customer. Please ask us, if you wish special version.