USB FUNCTION GENERATOR

PCGU01

The PC USB miniature function generator is simple to use and has a frequency range of up to 1 MHz!

This nifty measuring instrument can generate sine, square and triangle waveforms, and it has a DAC resolution of 10 bits. To top things off, it has an output of 0.2 Vpp to 10 Vpp.

Download the dedicated Windows® software and control the various signals https://www.velleman.eu/support/downloads/?code=PCGU01. Among other things, the software includes a handy automated wave sequence generator.

- •dedicated Windows® software to control the various signals (free download)
- •software includes an automated wave sequence generator
- •design enclosure
- •test leads
- •free software download
- •USB cable
- •DAC resolutions: 10 bits
- •frequency range: sine, triangle form 1 Hz to 1 MHz, square wave 1 Hz to 100 kHz
- •frequency setting resolution: 0.04 Hz
- •sweep function
- •amplitude range: 200 mVpp to 10 Vpp @ 1 kHz // no load / 0 V offset
- •amplitude range with offset: 200 mVpp to 7.5 Vpp @ 1 kHz // no load / -2.5 V to +2.5 V offset
- •offset range : from 0 to -2.5 V or +2.5 V max. (resolution 0.5% of full scale)
- •waveforms: sine, square and triangle
- •typical sine wave distortion (THD): < 0.02% @ 1 kHz / 0 dB / 600 Ohm
- •square wave rise/fall time: < 0.2 µs
- •output impedance: 50 Ohm
- •note: PC USB ground is connected to GND output
- •minimum system requirements: ◦Windows® XP, Vista, 7, 8, 10
- ◦mouse or touchpad
- ◦free USB port 1.1 or 2.0