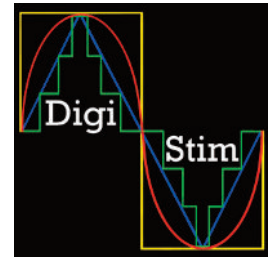# DigiStim - 2 channel USB based stimulator

The DigiStim-2 is a USB based portable arbitrary waveform generator/stimulator. It is useful for a variety of applications, e.g. student lab, control signals for isolated stimulators, controlling external devices, triggers, etc. It is a low cost device and will fit into any lab's budget.

It is an 11 bit device and has trigger in functions for each channel. Generation of sine, square, triangle, saw tooth and reverse saw tooth waveforms is built-in as well as arbitrary signal generation. It operates from DC to 50kHz in dual channel or from DC to 100kHz in single channel mode.

The software is compatible with Windows 7 and Windows 10. It's software data format is ".CSV" (comma separated values). It is compatible with the CSV file produced by Tektronix digital storage oscilloscopes. Users can edit or set up the required CSV waveform and use Microsoft Excel to open and edit the CSV wave files.

- 2 channel portable stimulator with trigger in function
- USB programmable
- Built-in signals: Sine, Square, Triangle, Sawtooth and Reverse Sawtooth
- Arbitrary waveform generator
- 11 bits of resolution

- DC to 50kHz in dual channel, DC to 100kHz in single channel
- Hand held
- Low cost - perfect for student labs
- GUI included - Windows 7/10 compatible

Frequency Range	DC – 50 kHz in dual Channel mode DC – 100 kHz in single channel mode
Sample Rate	4M Hz in single mode / 1.3 M Hz Dual mode
Vertical Resolution	11 bits
Waveform Length	32k points per channel
Amplitude	-5V to + 5V
Control Interfaces	USB 2.0
Communication Protocol	HID class
PC OS	Win 7, 10 64 bit
Power Supply Voltage	5VDC
Power Consumption	50mW
Dimensions	11.25 x 3.35 x 7.32 cm (4.43 x 2.88 x 1.32 in)
Weight	205g (0.45 lbs)

DigiStim	2 channel USB based multifunction waveform generator

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