



USBscope50 1Gsp/s/75MHz USB Modular Scope Pen

Features

Stackable Single Channel USB Scope: use one or stack up to 8 channels

1Gsp/s effective sample rate, 50Msp/s single shot rate

Full galvanic isolation from host: 300V Cat II

75MHz analogue bandwidth

AC/DC coupling

300V/30V/3V input ranges with x10 probe, 30V/3V/0.3V with x1 probe

Comes with USBscope software for Windows

USBscope50 marks a new era in ultra portable modular instrumentation for the PC or notebook. Using a USB1.1 or USB2.0 port on the host computer, USBscope50 offers the best of all worlds for converting your PC into a powerful diagnostic tool: tiny size, low power, low cost, modularity and high performance.

A single USBscope50 can be operated as a one-channel scope, or can be stacked with other USBscope50s to make a multi-channel solution. In this configuration, each module shares its phase and trigger status with the other modules in the stack ensuring tight channel-to-channel matching and concurrent triggering, plus each module retains a dedicated USB connection to the host ensuring independent configurability.

USBscope50 is small enough to be carried in a shirt pocket or laptop bag and yet retains features normally reserved for scopes 10 times its size. It uses standard BNC type scope probes, and is powered directly from the host port. It can be directly plugged into a host USB port or can be connected via a standard male-to-female USB cable. In multi-channel mode, this cabled operation is required and typically an external USB Hub would be used to provide the extra USB ports.

Summary Specifications:

- 50Msp/s 8-bit single shot
- 1Gsp/s equivalent time sampling (repetitive input waveforms)
- DC-75MHz analogue bandwidth
- 1Meg || 16pF input impedance
- 30V/3V/0.3V input ranges with x1 probe. 300V/30V/3V with x10 probe
- AC or DC coupling
- Programmable input offset
- Programmable trigger threshold and edge modes
- Input is galvanically isolated from USB port to 300V Cat II
- 3000 point sample depth with pre and post trigger
- 200mA host power consumption, with support for suspend
- Body is approx. 75mm x 31mm x 17.5mm
- Stackable or use stand-alone
- Probe compensation output signal
- Comes with Windows USBscope50 software for 98SE/2K/XP



Reseller Contact Details:

Esis Pty Ltd

Pennant Hills (Sydney)
NSW 1715 Australia

ACN 000 955 742

Ph: 02 9481 7420 Fax: 02 9481 7267

ABN 43 000 955 742265