

Saelig Introduces USB 16-bit 5MHz Oscilloscope



Saelig has introduced the PS4262, a 2 channel, 5 MHz 16-bit-resolution oscilloscope that includes a built-in low-distortion signal generator. PS4262 is a full-featured oscilloscope, with a function/arbitrary waveform generator that includes a sweep function to facilitate rapid frequency response analysis. It also offers advanced scope capabilities such as: spectrum analysis, mask limit testing, math functions, reference waveforms, advanced digital triggering, serial decoding, automatic measurements, and color persistence display. Its performance rivals more expensive dedicated audio and dynamic signal analyzers. Careful front-end design and shielding has minimized noise, crosstalk, and harmonic distortion to yield a precision 16-bit data acquisition tool.

As well as the standard range of triggers found on most oscilloscopes, the PS4262's advanced digital triggers include pulse width, windowed, and dropout triggers to help capture significant data. Sampling rate (real-time 1 or 2 channels) is 10 MSa/s, and the PS6242 can continuously stream data via USB at 1 MSa/s. A large 16 Megasample buffer allows accurate waveform expansion and deep data discovery. The mask limit testing function can be used to scan through lengthy waveforms to identify questionable signals in the waveform buffer. When used in spectrum analyzer mode, the scope provides a menu of eleven automatic frequency-domain measurements such as IMD, THD, SFDR and SNR.

The included PicoScope software harnesses the PC's extensive processing power, storage, graphics, and networking capabilities. The user interface is easy for novices to learn, but professional users will find many immediately useful features. The windows-compatible PS4262 can be used with a desktop PC to save workbench space, or with a laptop to create a compact, portable instrument for field servicing and on-site work. Since it is USB-powered, there is no need for a separate AC adapter.

Ideal for analyzing audio, ultrasonic, and vibration signals, characterizing noise in switched mode power supplies, measuring distortion, or performing a wide range of precision measurement tasks, the PS4262 oscilloscope, including two probes and a USB cable, is available now from Saelig Company, Inc. with a 5-year parts and labor

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warranty.

For more information, please visit www.saelig.com [1].

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