

New range of deep memory mixed-signal oscilloscopes



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The new range of mixed-signal oscilloscopes (MSOs) from Pico Technology combines the deep memory and high performance of the PicoScope 3000 Series with a powerful 16-channel logic analyzer. With a built-in function generator and arbitrary waveform generator also included, these oscilloscopes offer a complete test bench in one compact, USB-powered device.

The new MSOs have 2 analog channels with bandwidths from 60 MHz to 200 MHz, a maximum single-channel sampling rate of 500 MS/s, and 100 MHz digital inputs.

Buffer memory sizes range from 8 MS to 128 MS. "The deep memory on these MSOs works especially well with the serial decoding feature," explained Managing Director Alan Tong. "You can capture serial data using any of the 2 analog and 16 digital inputs, giving you up to 18 channels. All of these can be decoded concurrently, even if you have a mixture of serial protocols."

Serial data in I²C, UART/RS232, SPI, CAN bus, LIN and FlexRay formats can be decoded and displayed in binary, decimal or hexadecimal formats. The 16 logic inputs are organized in two banks, each of which has its own adjustable logic threshold to allow testing of mixed-logic designs.

The PicoScope software supplied with the MSOs includes as standard all the oscilloscope and spectrum analyzer functions you would expect, as well as mask limit testing, segmented memory, advanced triggers and the serial decoding mentioned above: features that often cost extra on other manufacturers' scopes. Other built-in features include persistence displays with fast update rates, math channels, automatic measurements with statistics, and programmable alarms. Updates to the software are free of charge.

The advanced trigger types include pulse width, interval, window, window pulse width, level dropout, window dropout, runt pulse, variable hysteresis, and logic. All triggering is digital, ensuring lower jitter, greater accuracy and higher voltage resolution than the analog triggering found on many competing scopes.

A free Software Development Kit (SDK) allows you to control the new scopes from your own programs. It includes example code in C, C++, Excel and LabVIEW, and can be

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used with any language that supports C calling conventions. The PicoScope software and SDK are compatible with Microsoft Windows XP, Windows Vista, Windows 7 and Windows 8.

The PicoScope 3000 Series MSOs are available now from Pico distributors worldwide and from www.picotech.com. Prices range from only £649 / US\$1070 / €785 for the 60 MHz PicoScope 3404 MSO to only £1049 / US\$1730 / €1270 for the 200 MHz PicoScope 3406 MSO, including analog probes, logic cables and a 5-year warranty.

Press Release



About Pico Technology

Pico Technology has spent over 20 years leading the industry in the design, development and manufacture of high-performance PC Oscilloscopes and Data Loggers. During that time we have built up an impressive portfolio of products including the PicoScope PC Oscilloscope range with bandwidths up to 12 GHz, resolutions up to 16 bits and mixed-signal models; the TC-08 and PT-104 Temperature Data Loggers; and the multi-award-winning Automotive Oscilloscope Kit.

Pico Technology prides itself on offering innovative, high-quality and affordable alternatives to traditional bench-top test and measurement equipment, designed and built under the ISO9001:2008 quality system. We support a network of distributors in over 60 countries worldwide who are helping to build and maintain our enviable reputation in the industry.

More information on Pico Technology can be found at:

www.picotech.com

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