

Press Release



PicoScope 2000 Series USB oscilloscopes now even smaller!



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Pico Technology has released a new range of PicoScope 2000 Series oscilloscopes that occupy about the area of a passport and are only 19 mm (three-quarters of an inch) thick. Connected to and powered from a USB port, they offer bandwidths up to 200 MHz and feature an arbitrary waveform generator, yet are almost 80% smaller than the previous generation of PicoScopes. This makes them the perfect scopes for engineers on the move to keep in their laptop bag, while offering all the features and performance of a traditional bench-top oscilloscope.

The new PicoScope 2000 range was very much a "skunkworks" project, explained Managing Director Alan Tong. "We give all of our engineers one afternoon a week to work on a project of their own choosing, and a group decided to see how small they could make an oscilloscope without compromising on performance. They kept the project secret until they had a working prototype complete with a 3D-printed enclosure. When I saw it I was immediately sold on the idea, as it was a product I wanted to own myself. It's so small and light, I now carry an oscilloscope in my laptop bag all the time."

The specifications include a maximum sampling rate of 1 GS/s, adjustable analog offset over the full input range, and high-speed USB streaming up to 1 MS/s for waveform captures of up to 100 million samples in length. The built-in signal source can act as a standard signal generator (sine, square, triangle and others) with programmable sweep or as a 12 bit 20 MS/s full-function arbitrary waveform generator.

Despite their small size, the dual channel scopes include a comprehensive list of features as standard including an FFT spectrum analyzer, up to 48K samples of segmented memory for rapid captures, math channels, automatic measurements, color persistence display mode, advanced digital triggering, mask limit testing and serial decoding (CAN bus, LIN bus, FlexRay, SPI, I2C, I2S, UART). A free SDK with example code is available for developing your own applications in languages such as C, Microsoft Visual Basic®, National Instruments LabVIEW® and MathWorks MATLAB®.

The new PicoScope 2000 Series oscilloscopes are available now from Pico distributors worldwide and from www.picotech.com. Prices range from £159 / US\$262 / €192 to £599 / US\$988 / €725 depending on bandwidth and signal generator type. Prices include all hardware and software features mentioned above and a 5-year warranty.

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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 20 GHz, resolutions up to 16 bits, flexible-resolution 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

To receive regular updates, subscribe to our monthly newsletter at:

www.picotech.com/newsletter/

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