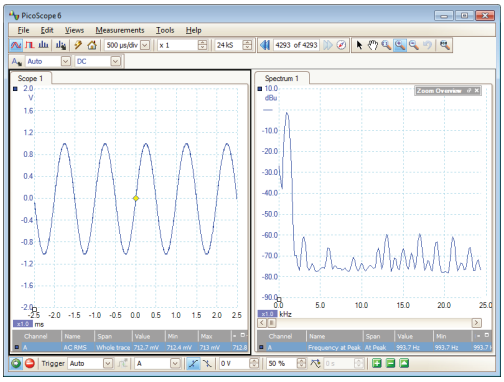
pico® Technology

PicoScope® 2104 and 2105

USB HANDHELD OSCILLOSCOPES

A complete oscilloscope in the palm of your hand



The ideal solutions for mobile testing and troubleshooting. The range comprises an entry-level model for enthusiasts and a high-performance model for professionals.

The PicoScope 2104 and 2105 PC Oscilloscopes are connected to and powered entirely by the USB port of a PC or laptop. The market-leading PicoScope software supplied with the oscilloscopes enables analysis of voltage waveforms, includes automatic measurements such as frequency, duty cycle and rise time, and has a variety of trigger settings. It allows the PicoScope 2104 and 2105 to be used as:

- Oscilloscopes
- Spectrum analysers
- Voltmeters

or all three at the same time!

The unit has a built-in probe for convenience, and the probe tip can be easily replaced when needed. Also incorporated is a probe-tip light to illuminate the area being tested - ideal for those hard-to-see connections.

5 YEAR WARRANTY

PICO TECHNOLOGY 1991 - 2011 20 YEARS LEADING THE WAY IN TEST AND MEASUREMENT

Supplied with a full SDK including example programs • Software compatible with Windows XP, Windows Vista and Windows 7 • Free Technical Support

Easy to use

The ergonomically designed PicoScope 2104 and 2105 can be operated by pressing a single button on the handgrip. This can start and the oscilloscope, or even set up the entire instrument automatically. Captured waveforms and data are stored in the memory of the laptop or PC, from where they can be printed, emailed or saved to disc. The whole of your computer's screen or monitor can be used for the display, allowing you to view signals in outstanding detail.

Software

All the software you need is included with the oscilloscope. An installation program gets your system up and running within minutes. Within the PicoScope program, navigation is made easy by simple drop-down menus that help you to get the best out of the system with minimum effort. We also include fully documented drivers, basic programming examples that you can customise, and free software upgrades for the life of the product.

	PicoScope 2104	PicoScope 2105
VERTICAL		
Bandwidth		
Rise time (calculated)	35 ns	14 ns
Input channels	1	
Vertical resolution	8 bits	
Enhanced vertical resolution	12 bits	
DC accuracy	±3%	
Linearity	< 1 LSB at 25 °C	
Input characteristics	1 MΩ in parallel with 20 pF	
Input type	Oscilloscope probe	
Input coupling	Software selectable AC/DC	
Input ranges (full scale)	±100 mV to ±20 V in 8 ranges	
Overload protection	±50 V (DC + AC Peak)	
HORIZONTAL		
Maximum sampling rate (single shot)	50 MS/s	100 MS/s
Sampling rate (repetitive signals)	1 GS/s	2 GS/s
Maximum sampling rate (continuous streaming mode)	1 kS/s (Record length limited to 65 kS in PicoScope, unlimited when using the supplied SDK)	
Buffer memory	8 k samples	24 k samples
Waveform buffer	Up to 10000 waveforms	
Timebase ranges	200 ns/div to 200 s/div (10 ns/div to 200 s/div with ETS)	100 ns/div to 200 s/div (5 ns/div to 200 s/div with ETS)

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*Prices are correct at the time of publication. Please contact Pico Technology for the latest prices before ordering.

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