PicoScope 2000 Series PC Oscilloscopes for Enthusiasts and Educational Users
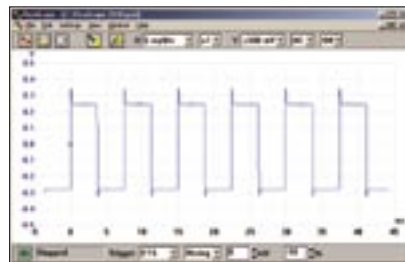
PicoScope 2105

- Ergonomically designed to fit in the hand
- 100 MS/s sampling rate
- 25 MHz bandwidth
- Digital ETS enhances repetitive signal sample rate to 2 GS/s
- 24 k record length
- Connected and powered by USB
- Supplied with PicoScope, PicoLog and 32-bit programming libraries
- Compatible with Windows XP SP2 and Vista

Small enough and light enough to carry with you anywhere

The PicoScope 2105 PC Oscilloscope combines features integral to many high-performance bench-top oscilloscopes, in a small, lightweight and ergonomic design that fits perfectly in the hand. When used in conjunction with the PicoScope software, the oscilloscope converts any laptop or desktop PC with USB support into a powerful oscilloscope, without the need for additional probes or power supplies. An entry-level version, the PicoScope 2104, is also available to accommodate less demanding applications.
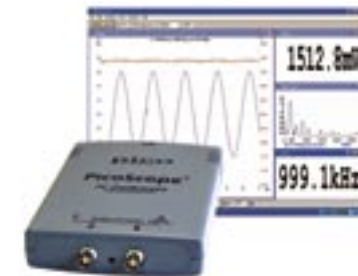

Equivalent Time Sampling (ETS) boosts the 100 MS/s sampling rate of the PicoScope 2105 to 2 GS/s for repetitive signals.

PicoScope 2202

- Priced for hobbyists and educational users
- Two channels
- Up to 20 MS/s sampling rate
- 2 MHz bandwidth
- 32 k sample record length
- Connected and powered by USB
- Supplied with PicoScope and PicoLog software
- Compatible with Windows XP SP2 and Vista

The inexpensive PicoScope 2202 dual-channel USB oscilloscope uses the same powerful technology as the acclaimed PicoScope 3000 series of professional PC oscilloscopes. Using this latest technology, Pico is able to provide you with an oscilloscope with specifications not previously available in this price range.

The PicoScope 2202 is proving highly popular for hobby and educational use. For more

PicoScope 2000 Series Specifications

Product	PicoScope 2104	PicoScope 2105	PicoScope 2202
Resolution	8 bits		8 bits
Channels	1 built-in probe		2 BNC
Voltage ranges	±100 mV to ±20 V in 8 ranges		±50 mV to ±20 V in 9 ranges
Overload protection	±50 V input to GND		±100 V input to GND
Input impedance	1 MΩ		1 MΩ
Sampling rate (real time)	50 MS/s	100 MS/s	20 MS/s *
Sampling rate (repetitive)	1 GS/s	2 GS/s	20 MS/s *
DC Accuracy	±3%		±3%
Scope timebases	20 ns/div to 50 s/div	10 ns/div to 50 s/div	500 ns/div to 50 s/div
Spectrum ranges	DC to 10 MHz	DC to 25 MHz	DC to 2 MHz
Dynamic range	48 dB		48 dB
Analogue bandwidth	10 MHz	25 MHz	2 MHz
Record length	8 k samples	24 k samples	32 k samples
Power supply	not required		
Output connector	USB 2.0 (compatible with USB 1.1)		
Supplied software	See page 34		

* Divide sampling rate by 2 for dual-channel use

Description	Order No.
PicoScope 2104	PP317
PicoScope 2105	PP315

Description	Order No.
PicoScope 2202	PP296