

## PicoScope 5000 Series High-Speed PC Oscilloscopes

### 1 GS/s sampling rate

- This is the single-shot sampling rate. It allows you to sample waveforms up to the full bandwidth of the scope without distortion or aliasing.
- In ETS (equivalent-time sampling) mode, the scope can reach an effective sampling rate of 20 GS/s for repetitive signals.

### Built-in arbitrary waveform generator

- Outputs standard and user-defined waveforms at up to 125 MS/s

At last, a USB  
PC Oscilloscope fit to replace  
bench-top oscilloscopes...



...the new  
PicoScope 5000 Series

### 128 Msample memory

- Capture a waveform, then zoom in by a factor of a thousand or more to see pulses, glitches and edges in detail.
- Budget version, PicoScope 5203, with 32 Msample memory also available.

### 250 MHz probe-tip bandwidth

- Every scope is adjusted for optimal probe-tip bandwidth
- Two 250 MHz probes included

### Microsoft Windows software

- Brand-new version: PicoScope 6
- Supports Windows XP SP2 and Vista

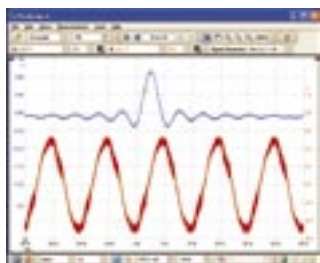


### What's in the kit?

- PicoScope 5000 Series PC Oscilloscope
- Two 250 MHz probes
- USB cable
- Universal power supply with UK, US, EU and Australasian plug adaptors
- Hard plastic carry case
- Software CD
- Installation guide

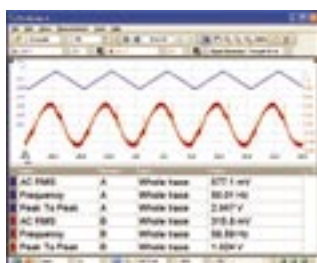
### PicoScope 5000 Series Specifications

Product	PicoScope 5203	PicoScope 5204
Resolution	8 bits	
Inputs	3 x BNC (2 channels + ext. trig.)	
Voltage ranges	±100 mV to ±20 V in 8 ranges	
Overload protection (channels A & B, ext. trig. in)	±100 V	
Input characteristics	1 MΩ    16 pF	
Sampling rate (real time, single channel)	1 GS/s	
Sampling rate (repetitive)	20 GS/s	
DC accuracy	±3%	
Scope timebases	5 ns/div (500 ps in ETS mode) to 100 s/div	
Spectrum ranges	DC to 250 MHz	
Analogue bandwidth at probe tip	250 MHz	
Memory	32 Msamples	128 Msamples
Arbitrary waveform generator	Up to 125 MS/s, 12 bits, 8192 samples	
Power supply	6 V DC from AC adaptor supplied	
External trigger output	BNC, 600 Ω	
Signal generator output	BNC, 50 Ω, ±2 V	
PC connection	USB 2.0	
Supplied software	See page 34	



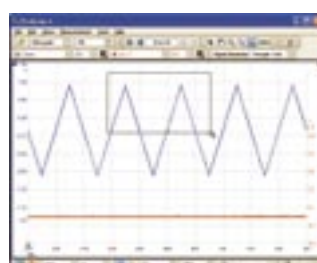
### Low clutter

Almost the whole screen is used for your waveforms.



### Automatic measurements

Add as many as you like. Continuously updated.



### Quick zoom

Zoom in just by drawing a box.

### Description

- PicoScope 5203
- PicoScope 5204
- Replacement factory-calibrated probe

### Order No.

- PP376
- PP377
- MI145