



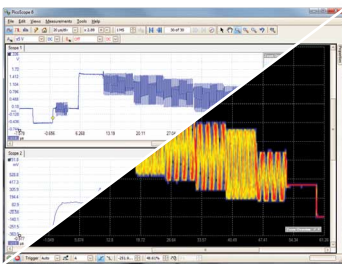
PicoScope 4226 and 4227

High-Resolution Oscilloscopes with Arbitrary Waveform Generator

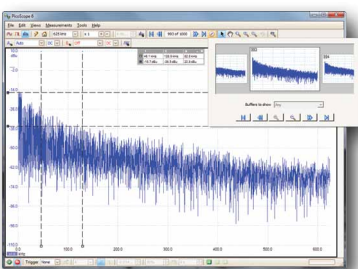


**Speed and Precision
from Pico Technology**

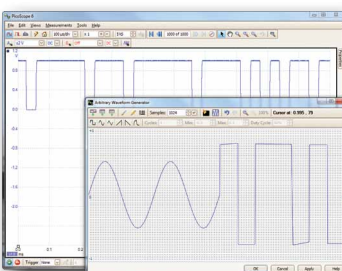
- 12-bit resolution
- Up to 250 MS/s real-time sampling rate
- 32 MS buffer size
- 2 channels
- Function generator
- Arbitrary waveform generator
- USB 2.0 interface



Oscilloscope



Spectrum analyzer



Arbitrary waveform generator

Convenience

The PicoScope 4000 Series PC Oscilloscopes with AWG are extremely versatile, with an oscilloscope, spectrum analyzer, function generator and arbitrary waveform generator included in every model. The scopes are powered by the USB port, so there's no need for an external power supply.

Speed and precision

The USB 2.0 interface delivers high-speed data to your PC to give you a responsive, high-resolution display. With sampling rates of up to 250 MS/s, these are the fastest USB-powered 12-bit scopes around.

Deep memory

The 32 M sample buffer is 'always on'. There is never a compromise between buffer size and waveform update rate, because the PicoScope 4000 Series scopes always maximize both at the same time. Now you can capture every waveform with optimal detail without having to be a scope expert.

Advanced software

The scopes are supplied with a full version of the PicoScope software. PicoScope is easy to use and can export data in graphical, text and binary formats. Also included are Windows drivers and example programs.

Dependability

The PicoScope 4000 Series with AWG is our 6th generation of 12-bit oscilloscopes, the result of nearly 20 years' experience in test equipment design. Each unit is backed up by unbeatable quality and customer service.

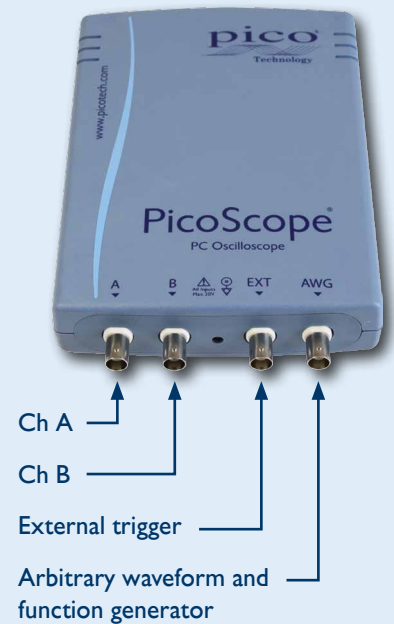
Specifications

	PicoScope 4226	PicoScope 4227
Inputs	2 BNC inputs 50 MHz 100 MHz ± 50 mV to ± 20 V 10 mV/div to 4 V/div 12 bits AC or DC, software-selectable 1 M Ω 16 pF ± 100 V	
Sampling	100 ns/div to 200 s/div 50 ns/div to 200 s/div Maximum sampling rate (real-time) $\left\{ \begin{array}{l} 1 \text{ channel in use} \\ 2 \text{ channels in use} \end{array} \right. \begin{array}{l} 125 \text{ MS/s} \\ 125 \text{ MS/s} \end{array}$ Maximum sampling rate (ETS) $\left\{ \begin{array}{l} 10 \text{ GS/s} \\ 10 \text{ GS/s} \end{array} \right.$ Buffer size 32 MS shared between active channels	
Triggering	Sources Ch A, Ch B trigger types Ext trigger types Ch A, Ch B, Ext Edge, window, pulse, interval, dropout, runt, delayed Rising/falling edge	
External trigger input	Connector Bandwidth Impedance Voltage range Coupling Overload protection BNC 100 MHz 1 M Ω 20 pF ± 20 V DC ± 100 V	
Function generator / arbitrary waveform generator	Connector Function generator frequency range Buffer size DAC update rate DAC resolution Bandwidth DC accuracy Output range Output offset range Max. combined output Output resistance Overload protection BNC DC to 100 kHz 8192 samples 20 MS/s 12 bits 100 kHz 1% ± 250 mV to ± 2 V ± 1 V ± 2.5 V 600 Ω ± 10 V	
Performance	Timebase accuracy 50 ppm DC accuracy 1% of full scale Trigger resolution 1 LSB (Ch A, Ch B) Trigger re-arm time 1 μ s (fastest timebase, rapid trigger)	
Environment	Temperature range Humidity range PC connection PC operating system Power supply Dimensions Weight Compliance Operating: 0 $^{\circ}$ C to 45 $^{\circ}$ C For stated accuracy: 20 $^{\circ}$ C to 30 $^{\circ}$ C Storage: -20 $^{\circ}$ C to 60 $^{\circ}$ C Operating: 5% to 80% RH, non-condensing Storage: 5% to 95% RH, non-condensing USB 2.0. Compatible with USB 1.1 Windows XP, Windows Vista or Windows 7 5 V @ 500 mA max. from USB port 200 mm x 140 mm x 38 mm including connectors < 500 g EU EMC and LVD Standards RoHS and WEEE FCC Rules Part 15 Class A	



Additional features

- Mask limit testing with alarms
- Serial data decoding (CAN and I²C)
- Per-channel low-pass filtering
- Math channels
- Reference waveforms
- Waveform buffer with up to 10,000 segments and visual navigator
- Digital Color and Analog Intensity persistence modes
- X-Y mode



ORDER CODE	DESCRIPTION	GBP	EUR	USD
PP671	PicoScope 4226 Kit	699	819	1149
PP672	PicoScope 4227 Kit	899	1049	1479

Kit includes 2 high-impedance probes, USB cable, manual and hard carrying case. Also available: 2-channel and 4-channel models without signal generator and external trigger. Please ask for details.

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