



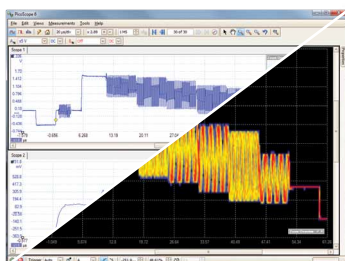
PicoScope 4226 and 4227

High-Resolution Oscilloscopes with Arbitrary Waveform Generator

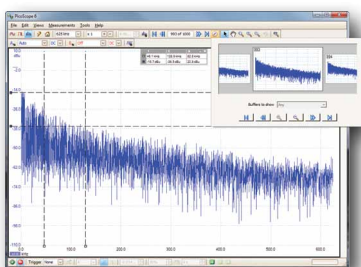


Speed and Precision
from Pico Technology

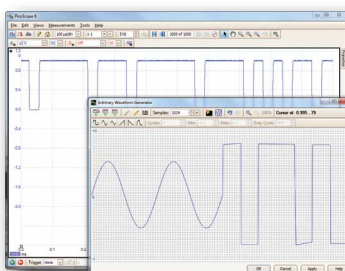
12-bit resolution
Up to 250 MS/s real-time sampling rate
32 MS buffer size
2 channels
Function generator
Arbitrary waveform generator
USB 2.0 interface



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.

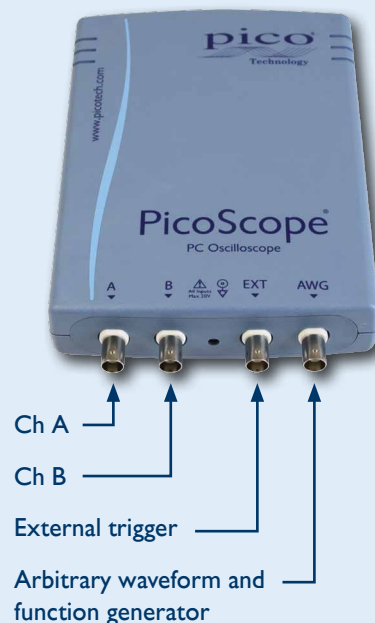
Specifications

		PicoScope 4226	PicoScope 4227
Inputs	Number of channels	2 BNC inputs	
	Analog bandwidth	50 MHz	100 MHz
	Voltage ranges	± 50 mV to ± 20 V	
	Sensitivity	10 mV/div to 4 V/div	
	Vertical resolution	12 bits	
	Input coupling	AC or DC, software-selectable	
	Input impedance	1 M Ω 16 pF	
	Overload protection	± 100 V	
Sampling			
	Timebases	100 ns/div to 200 s/div	50 ns/div to 200 s/div
	Maximum sampling rate (real-time)	125 MS/s	250 MS/s
	Maximum sampling rate (ETS)	125 MS/s	125 MS/s
	Buffer size	10 GS/s	10 GS/s
	32 MS shared between active channels		
Triggering			
	Sources	Ch A, Ch B, Ext	
	Ch A, Ch B trigger types	Edge, window, pulse, interval, dropout, runt, delayed	
	Ext trigger types	Rising/falling edge	
External trigger input			
	Connector	BNC	
	Bandwidth	100 MHz	
	Impedance	1 M Ω 20 pF	
	Voltage range	± 20 V	
	Coupling	DC	
	Overload protection	± 100 V	
Function generator / arbitrary waveform generator			
	Connector	BNC	
	Function generator frequency range	DC to 100 kHz	
	Buffer size	8192 samples	
	DAC update rate	20 MS/s	
	DAC resolution	12 bits	
	Bandwidth	100 kHz	
	DC accuracy	1%	
	Output range	± 250 mV to ± 2 V	
	Output offset range	± 1 V	
	Max. combined output	± 2.5 V	
	Output resistance	600 Ω	
	Overload protection	± 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	Operating: 0 °C to 45 °C For stated accuracy: 20 °C to 30 °C Storage: -20 °C to 60 °C	
	Humidity range	Operating: 5% to 80% RH, non-condensing Storage: 5% to 95% RH, non-condensing	
	PC connection	USB 2.0. Compatible with USB 1.1	
	PC operating system	Windows XP, Windows Vista or Windows 7	
	Power supply	5 V @ 500 mA max. from USB port	
	Dimensions	200 mm x 140 mm x 38 mm including connectors	
	Weight	< 500 g	
	Compliance	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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