



Allied In Education

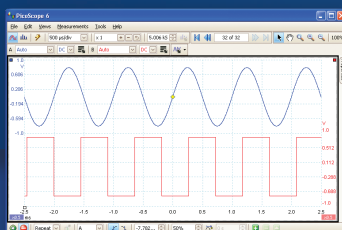
PicoScope 2205A

25 MHz PC Oscilloscope

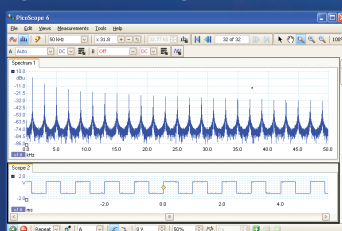
Superb value for money from Pico Technology

- 200 MS/s real-time sampling rate
- Arbitrary waveform generator
- USB 2.0 interface for data and power
- 16 k record length

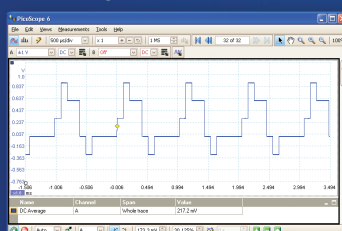
Oscilloscope



Spectrum Analyzer



Arbitrary Waveform Generator



All-in-One Instruments

The PicoScope 2205A PC Oscilloscope is extremely versatile, with an oscilloscope, spectrum analyzer and arbitrary waveform generator included in every model. The compact, portable scopes fit easily in a laptop bag, and their robust cases have three BNC connectors—Channel A, Channel B and Signal Out—and a USB connector.

Convenience and Speed

The PicoScope 2205A scope obtains power from the USB 2.0 interface, so there's no need for an external power supply. The USB port also delivers high-speed data to your PC to give you a responsive, high-resolution display.

Advanced Software

The scope is bundled with the same PicoScope software for Windows that comes with our high-end scopes. PicoScope is easy to use, and can export data in a variety of graphical, text and binary formats. Also included are drivers and example programs. The PicoLog software, also included, lets you log data for long periods of time.

PicoScope 2205A

VERTICAL SECTION

Bandwidth	25 MHz
Channels	2
Resolution	8 bits
Enhanced resolution	12 bits
Dynamic range	48 dB
Accuracy	3%
Input ranges (full scale)	±50 mV, ±100 mV, ±200 mV, ±500 mV, ±1 V, ±2 V, ±5 V, ±10 V, ±20 V
Input characteristics	1 MΩ 20 pF or less
Overload protection	±100 V on single input
Input type	single-ended, BNC connector
Input coupling	AC or DC (software-controlled)

HORIZONTAL SECTION

Sampling rate ^[1]	200 MS/s (4 GS/s with ETS)
Record length ^[2]	16,000 samples
Record length (in streaming mode)	2 M samples per channel
Timebase ranges	500 ns, 1 μs, 2 μs, 5 μs... and so on up to 50 s, 100 s, 200 s per division
Timebase accuracy	100 ppm with 3 ps jitter

TRIGGER

Source	Ch A or Ch B
Modes	advanced ^[3]

ARBITRARY WAVEFORM GENERATOR

Connector type	BNC
Buffer size	4 k words
Vertical resolution	8 bits
Output range	± 125 mV to ±2 V pk-pk with ±1 V offset
Output resistance	600 Ω
Clock frequency	2 MHz
Bandwidth	DC to 1 MHz

ENVIRONMENTAL & PHYSICAL

Operating temperature range	5 °C to 45 °C
PC interface	USB 2.0
Power requirements	from USB
Dimensions	100 x 135 x 45 mm (approx. 4 x 5.4 x 1.8 in)
Weight	210 g (approx. 7.4 oz)
Approvals	FCC, CE



[1] Real-time sampling rate with one channel in use. Shared equally if two channels in use. Figures in parentheses are for Equivalent Time Sampling (ETS) mode.
 [2] Memory shared between two channels if both in use.
 [3] Rising edge and falling edge with hysteresis; pulse width; dropout; windowed; logic.

STOCK CODES and PRICES

STOCK CODE	DESCRIPTION	USD
389-0047	PicoScope 2205A and probes	275