PicoScope 2000 series specifications

PicoScope	2202
Resolution	8 bits
Channels	2
Voltage ranges	±50 mV to ±20 V
Bandwidth	2 MHz
Spectrum ranges	DC to 2 MHz
Sampling rate	20 MS/s
Buffer size	32 ksamples
PC connection	USB 2.0 (USB 1.1 compatible)
Scope timebases	500 ns/div to 50 s/div
Timebase accuracy	100 ppm
Dynamic range	48 dB
Trigger modes	Free Run, Auto, Repeat, Single and Save To Disk On Trigger
Pre/post trigger	-100% to +100%
Voltage accuracy	±3%
Input impedance	1 MΩ
Power supply	from USB port

For more information

You can find the latest detailed instructions for installing and using the PicoScope 2000 Series PC Oscilloscopes and PicoScope software on our web site at www.picotech.com/download.html. You can also find copies of the manuals on your Pico Software CD – press the "User Manuals" button, then select the model number of your oscilloscope or "PicoScope" for the software manual.

You can contact   our technical support
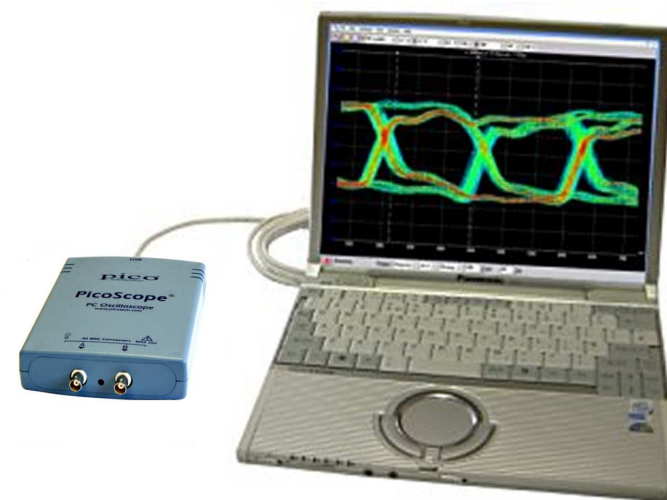team at the   address below.

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PicoScope® 2000 Series
Quick Start Guide

Included with your PicoScope…

Your PicoScope 2000 series package contains the following components:

- 1 PicoScope 2000 series oscilloscope
- 1 USB cable
- 1 Pico Software CD
- 1 Quick start guide

PicoScope 2000 Series Quick Start

1) Do not connect the PicoScope 2000 to the PC until you have installed the software.
2) Insert CD, which should automatically start the Pico installation application.

3) Follow the links to install the software.
4) Follow the instructions on the screen to install PicoScope.
5) Restart the PC.
6) Click on "PicoScope" in the Windows Start menu to begin using the PicoScope 2000. If you are using a scope probe and PicoScope, you should see a small 50 Hz or 60 Hz mains signal in the oscilloscope window when you touch the scope probe tip with your finger.

Connector diagram
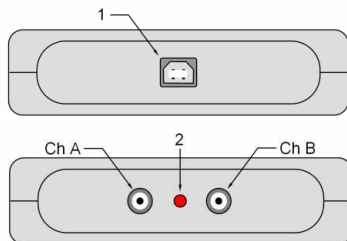
Ch A) Input channel 1
Ch B) Input channel 2
1) USB port connector
2) LED. When lit, indicates the PicoScope 2000 series oscilloscope is sampling data.

PicoScope 2000 series overview

Oscilloscopes in the new PicoScope 2000 series all feature a high-speed USB 2.0 interface. They simply connect to the USB port on any standard Windows-based PC, making full use of the PC's processing capabilities, large screen and familiar graphical user interface.

PicoScope oscilloscopes are supplied with the following software:

- PicoScope software (oscilloscope, spectrum analyser, meter).
- PicoLog data acquisition software that transforms your PC into a high-speed data logger.

PicoScope features

The PicoScope 2000 series PC oscilloscopes incorporate PicoScope software that turns your PC into an oscilloscope and spectrum analyser.

- 20 automatic measurements, including min, max, standard deviation, pass/fail limits
- XY scope cursors
- Multiple screen display modes inc. digital colour, analog persistence and more
- Save data as text file, BMP and JPG
- Runs on Pentium or equivalent PC with at least 32 MB RAM, 10 MB disk space
- Microsoft Windows 98 SE, ME, Microsoft Windows 2000, XP or later.
- USB 1.1 compliant port minimum. USB 2.0 compliant port recommended. Must be connected direct to the port or a powered USB hub. Will not work on a passive hub.

PicoLog features

PicoLog is a powerful and flexible data acquisition program for collecting, analysing and displaying data over long or short periods of time. You can view data both during and after data collection in spreadsheet or graphical format. If required, you can also export data to other applications such as Excel.