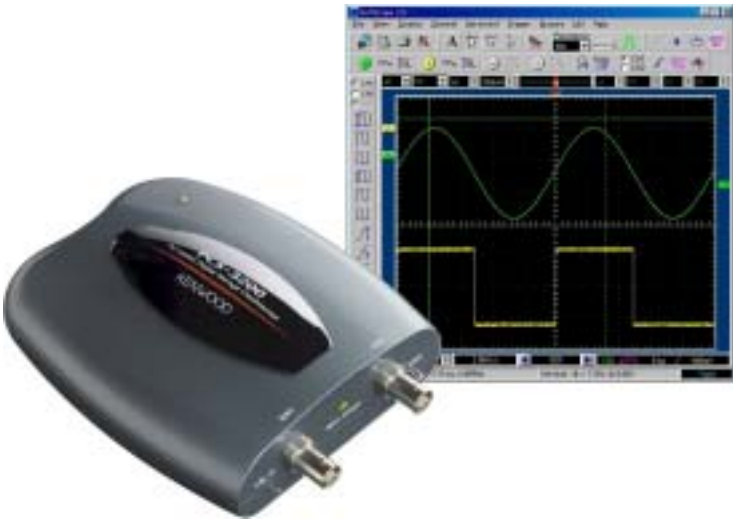
KENWOOD

Test and Measuring Instrument

Product Information

PC Based Digital Storage Oscilloscope PCS-3200

PCS-3200 is a portable PC-based Digital Storage Oscilloscope connected with USB port of PC. It is small, light and suitable for carrying. The software for Windows is standard accessory.



Digital Storage Oscilloscope

■ **High frequency and high sampling speed**

200MHz analog bandwidth, 5GS/s equivalent sampling and 100MHz real-time sampling.

■ **USB Interface**

PCS-3200 uses USB that supports 12Mbps transfer rate, and is not necessary an external power source.

■ **High cost performance**

The low price and high performance are achieved at the same time

■ **Various data format processing**

The wave data and graphic data can be saved and changed to Microsoft Word/Excel file that convenience for the inspection report and technical report.

■ **Many kinds of measuring function**

Many kinds of measuring function such as Vp-p, maximum voltage, average, frequency, overshoot, duty ratio and rising time is available.
And 10 measuring parameters can be indicated at the same time.

■ **FFT function that harmonic wave can be measured easily.**

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PRODUCT INFORMATION

PCS-3200 PC Based Digital Storage Oscilloscope

Specifications

Input		
Maximum Sampling Rate	Sampling speed: 100MS/s (at 1ch) 50MS/s (at 2ch), Equivalent: 5GS/s	
Channels	2	
Frequency Response	200MHz (-3dB)	
Vertical Resolution	9 bits/channel	
Vertical Sensitivity	10mV to 10V/div. (at x1 probe)	
Vertical Range	8 div.	
Offset Level	+/-4 div.	
Offset Resolution	0.02 div.	
Input Coupling	AC, DC, GND	
Input Impedance	1M ohm	
DC Accuracy	+/-3%	
Maximum Voltage	42Vpk (DC + AC peak < 10 kHz)	
Sweep		
Sweep Time	2ns to 10s/div. (1-2-4 step)	
Acquisition Mode	Equivalent Sampling: 2ns to 4us/div., Sampling: 10us to 400ms/div., Roll mode: 1s/div. or more	
Sweep Range	10 div.	
Pre/Post trigger	-5div. to +95div.	
Time Resolution	200ps	
Maximum Memory Size	10k Sampling, 500k Sampling	
Trigger		
Type	Edge trigger:	Rising edge, Falling edge
	Pulse trigger:	Less than width, More than width (10ns to 167ms)
	Delay trigger:	By event (1 to 16,777,215), By time (1us to 167ms)
Mode	Auto, Normal, Single	
Auto Setting	Possible	
Trigger Level	+/-4 div.	
Trigger Level Resolution	0.02 div.	
Measurement Function		
measuring parameter	Vp-p, V-max, V-min, V-amplitude, V-rms, V-top level, V-base level, V-upper threshold, V-middle threshold, V-lower threshold, V-average, Cycle average, Cycle rms, Overshoot, Undershoot, Period, Frequency, Rising time, Falling time, Duty ratio, Positive pulse width, Negative pulse width	
Cursor	Time/frequency difference, Voltage difference, Frequency at FFT mode	
Calculation	Addition, Subtraction, Multiplication, Division	
FFT(Fast Fourier Transform)	Rectangular, Hanning, Hamming, Blackman Window	
General		
Interface	Universal Serial Bus (USB)	
Power	No external power source required. Bus-powered from USB	
Dimensions/Weight	130 x 112 x 38 mm/ Approx. 250g	
Accessories		
Accessories	CD-ROM (Software), USB cable, Install Manual, Carrying bag	

*Specifications are subject to change without notice.