

PCS500 DIGITAL STORAGE SCOPES FOR PC

MEASUREMENTS UP TO 50 MHz!

up to 1GHz sampling rate

OPTICALLY ISOLATED from computer

PCS100

The PCS500 and the PCS100 are digital storage oscilloscopes that uses a computer and its monitor to display waveforms. All standard oscilloscope functions are available in the supplied Windows programme. It works just like a normal oscilloscope with the difference that all operations can be performed with the mouse. Use the computer's parallel port for connection. The scope is completely optically isolated from the computer port. Any waveform displayed on the screen can be stored for later use in documents or for the comparison of waveforms.

PCS500 :

Two separately digitised 50MHz channels with a sample rate up to 1GHz each.

PCS100 :

One channel (12MHz) with a sample rate up to 32MHz.

- ✓ Auto Setup function
- ✓ Input impedance : 1Mohm // 30pF
- ✓ Record and display of screens & data
- ✓ Max. input voltage : 100V (AC + DC)
- ✓ Input coupling : DC, AC and GND
- ✓ Supply voltage PCS500 : 9Vdc/1000mA
- ✓ Supply voltage PCS100 : 9Vdc/500mA
- ✓ Dimensions : 230 x 165 x 45mm
- ✓ Weight PCS500 : 490g
- ✓ Weight PCS100 : 400g
- ✓ Optional : bag (GIB) : PROBE60S insulated scope probe

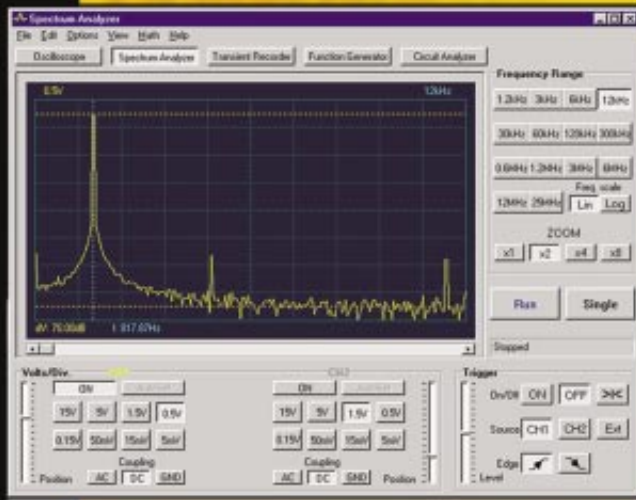
PCS500A / PCS100A : adapter incl.
PCS500 / PCS100 : adapter not incl.

MINIMUM SYSTEM REQUIREMENTS :

- IBM-compatible PC
- Windows 95, 98, ME (Win2000 / XP or NT possible)
- SVGA display card (min. 800x600 for Windows)
- mouse
- free printer port LTP1, LTP2 or LTP3
- CD-ROM player

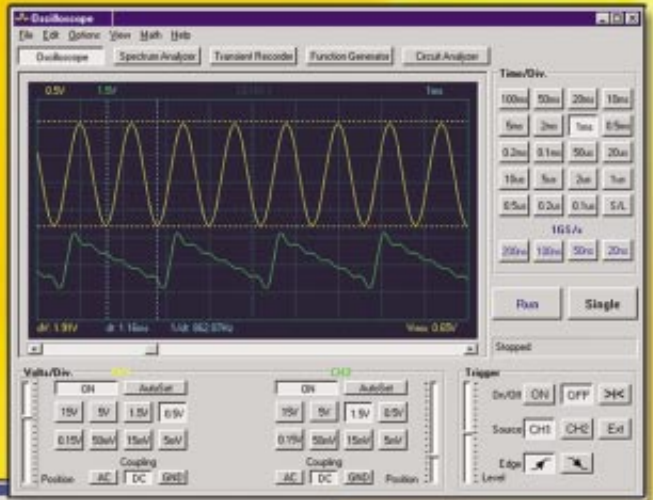
Check www.velleman.be for demos & updates

SPECTRUM ANALYSER



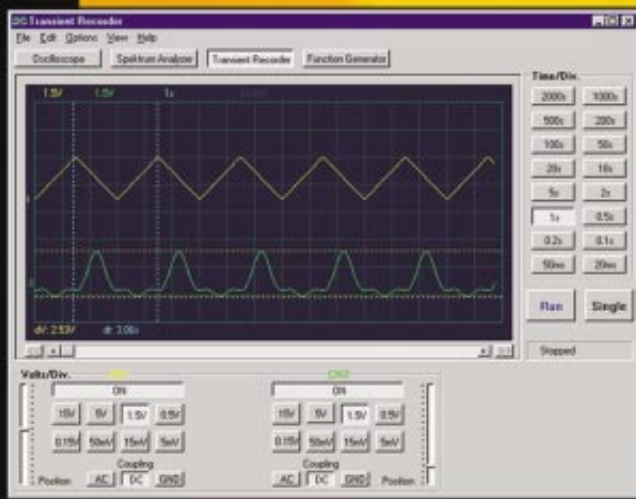
- frequency range PCS500 : till 25MHz / frequency range PCS100 : till 16MHz
- linear or logarithmic frequency scale
- operating principle : FFT (Fast Fourier Transform)
- FFT resolution : 2048 points
- zoom function
- markers for amplitude and frequency

OSCILLOSCOPE



- timebase PCS500 : 20ns to 100ms per division
- timebase PCS100 : 100ns to 100ms per division
- trigger source PCS500 : CH1, CH2, EXT or free run
- trigger edge : rising or falling
- trigger level : adjustable in steps of 1/2 division
- step interpolation : linear or smoothed
- markers for : voltage, frequency and time
- input sensitivity PCS500 : 5mV to 15V/ division
- input sensitivity PCS100 : 10mV to 3V/ division
- pre-trigger function (PCS500 only)
- true RMS read-out (only AC component)
- recording length : 4096 samples / channel
- sampling frequency PCS500 : real-time 50MHz
- sampling frequency PCS100 : real-time 32MHz
- sampling frequency PCS500 repetitive : 1 GHz (Equivalent Sampling Rate)

TRANSIENT RECORDER



- time scale : 20ms/div to 2000s/div
- max. recording time : 9.4hours/screen
- automatic data storage
- automatic recording for more than 1 year !
- max. number of samples : 100/s
- min. number of samples : 1 sample / 20s
- markers for time and amplitude
- zoom function
- recording and display of screens
- data format : ASCII



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