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ROHS Info

TWO-CHANNEL USB PC OSCILLOSCOPE

Order Code: PCSU1000

The PCSU1000 digital storage oscilloscope uses the power of your PC to visualize electrical signals. Its high sensitive display resolution, down to 0.15mV, combined with a high bandwidth and a sampling frequency of up to 1GHz are giving this unit all the power you need.
The USB connection makes this unit a snap to set-up, no external power required! In the field measurements using a lap-top computer have never been this easy.
This scope comes in a stylish vertical space saving design.
Powerful software will fulfill all your needs, but for those who like a challenge; a DLL is supplied, which allows you to create your own application.

Features

- oscilloscope:
    - timebase: 20ns to 100ms per division
    - trigger source: CH1, CH2, EXT or free run
    - trigger edge: rising or falling
    - trigger level: full-screen adjustable
    - step interpolation: linear or smoothed
    - markers for: voltage and frequency
    - input range: 5mV to 2V/division
    - input sensitivity: 0.15mV display resolution
    - auto set-up function and X10 option
    - pre-trigger function
    - readouts: True RMS, dBV, dBm, p to p, Duty cycle, Frequency
    - recording length: 4K samples / channel
    - real time sampling frequency: 1.25kHz to 50MHz
    - sampling frequency for Repetitive signals: 1GHz
- spectrum analyzer:
    - frequency range: 0...1.2kHz to 25MHz
    - linear or logarithmic time scale
    - operating principle: FFT (Fast Fourier Transform)

- ○ FFT resolution: 2048 lines
- ○ FFT input channel: CH1 or CH2
- ○ zoom function
- ○ markers for amplitude and frequency
- 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
    - ○ recording and display of screensrecording and display of screens

More...

Specifications

- general information:
    - ○ inputs: 2 channels, 1 external trigger input
    - ○ input impedance: 1Mohm // 30pF
    - ○ bandwidth: DC to 60 MHz ±3dB
    - ○ max. input voltage: 30V (AC + DC)
    - ○ input coupling: DC, AC and GND
    - ○ Supply from USB port (500mA)
    - ○ dimensions: 8.2 x 2.2 x 7"
- minimum system requirements:
    - ○ IBM compatible PC
    - ○ needs Win98SE or higher*
    - ○ SVGA display card (min. 800x600, 1024x768 recommended)
    - ○ mouse
    - ○ USB port 1.1 or 2.0 compatible
    - ○ CD Rom player
- includes:
    - ○ USB PC oscilloscope
    - ○ 2 x 60MHz scope probe (PROBE60S)
    - ○ USB cable
    - ○ software on CD
    - ○ getting started manual
    - ○ translations on CD

Files

- Velleman Projects Catalogs: Kits
- Velleman Projects Catalogs: Modules & instruments
- infosheet: Oscilloscopes cross reference table (uk)
- PCSU1000 USB Driver: for Windows XP / Vista / Windows7 (32-bit and 64-bit)
- PCSU1000 USB Driver: for Windows 2000
- software info: How to update your PCSU1000 drivers.
- software: PCLAB2000SE software package Version 3.1 (Rev 25/5/09)
- software: Make now your own software for our PCSU1000 PC-scope! (update: 4/5/2007) the PCSU1000 can be run from within any folder.
- usermanual: dso (uk)
- usermanual: recorder (uk)
- usermanual: Pc-lab2000SE (uk)

Stock Info

- Inner carton:
- Outer Carton:
- EAN Barcode:
- Packaging: Box (Carton)

Extra information

- **Windows   is a registered trademarks of Microsoft Corporation**

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