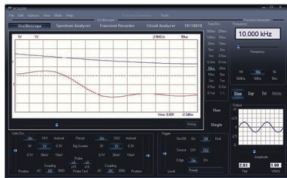




# USB PC OSCILLOSCOPE AND SIGNAL GENERATOR

Component: PCSU200



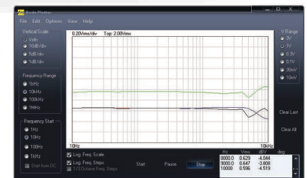
oscilloscope



spectrum analyser



transient recorder



bode Plotter

**Pocket size PC oscilloscope and function generator.**  
**This small box contains a world of measuring tools!**  
**From generating signals to a powerful 2 channel oscilloscope and a handy bode plot function.**  
**No need for a power supply since the unit is powered over USB.**

- function generator:
  - standard waveforms: sine, square and triangle
  - predefined library waveforms included: sine(x)/x, sweep, ...
  - automated signal setup using file or external input
  - amplitude range: 200mVpp to 8Vpp @ 1KHz// no load
  - output impedance: 50ohm
  - frequency range: 1MHz for sine wave, others 500KHz
- oscilloscope:
  - bandwidth: two channels from DC to 12 MHz  $\pm$ 3dB
  - input impedance: 1 Mohm / 30pF
  - time base: 0.1 $\mu$ s to 500ms per division
  - record length: 4K samples / channel
- transient recorder:
  - timescale: 20ms/Div to 2000s/Div
  - max record time: 9.4hour/screen
  - max. number of samples: 100/s
  - min. number of samples: 1 sample/20s
- bode Plotter:
  - automated sync between oscilloscope and generator
  - frequency range: 1KHz , 10KHz, 100KHz, 500KHz
  - Frequency start: 1Hz,10Hz, 100Hz, 1KHz, 10KHz, 100KHz
- spectrum analyser:
  - frequency range: 0 .. 120Hz to 12MHz
  - FFT resolution: 2048 lines



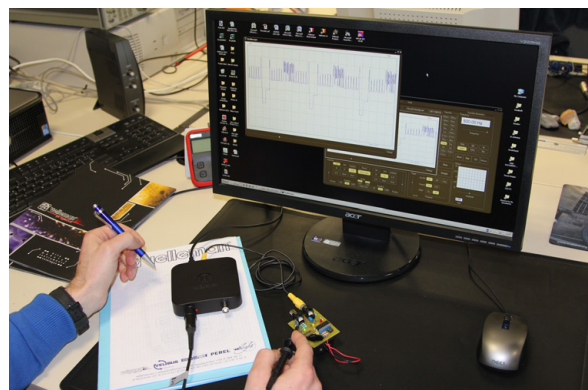
Search product

THE SOFTWARE CAN BE DOWNLOADED FROM OUR WEBSITE  
CHECK THE DEMO MODE !  
A DLL FOR OWN DEVELOPMENT IS AVAILABLE

[www.velleman.eu](http://www.velleman.eu)

## Specifications

- general:
  - markers for: amplitude/voltage and frequency/time
  - input coupling: DC, AC and GND
  - 8 bit resolution
  - voltage range: 10mV, 30mV, 0.1V, 0.3V, 1V, 3V
  - supply from USB port (500mA), cable included
  - Sampling max 25MHz
  - Maximum input 30V (AC+DC)
  - Storage of data and screens
  - dimensions: 100 x 100 x 35mm / 3.9 x 3.9 x 1.4"
- minimum system requirements:
  - Windows™ XP, Vista, 7 \*
  - free USB port 1.1 or 2.0



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