# Educational Scope Kit

Component : EDU09

Oscilloscopes are expensive and complicated instruments?
Not this one! Build your own oscilloscope and use your PC to display your measurements.
This small and easy to build kit has all the features of a full blown oscilloscope, just like our PCSU200 or PCSU1000. Don't have the kit yet?
Check out the scope demo soft

Minimum system requirements:
- Windows® XP, Vista, 7, 8 *
- SVGA display card (min. 1024 x 768)
- mouse
- free USB port 1.1 or 2.0
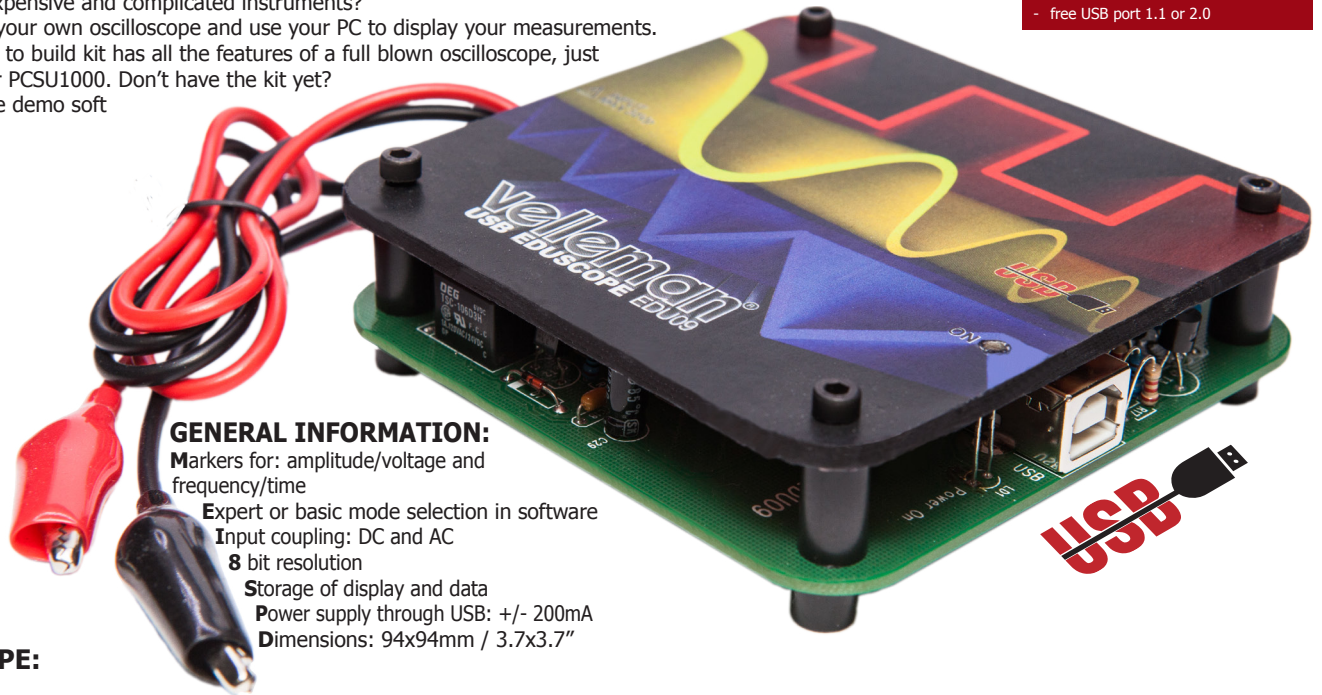
GENERAL INFORMATION:

Markers for: amplitude/voltage and frequency/time
Expert or basic mode selection in software
Input coupling: DC and AC
8 bit resolution
Storage of display and data
Power supply through USB: +/- 200mA
Dimensions: 94x94mm / 3.7x3.7"

OSCILLOSCOPE:

- bandwidth: DC to 200 kHz ± 3dB
- input impedance: 100 kohm / 20pF
- maximum input voltage: 30 V (AC + DC)
- time base: 10 µs to 500 ms per division
- input range: 100 mV to 5 V/division
- input sensitivity: 3 mV display resolution
- readouts: True RMS, dBV, dBm, p to p, Duty cycle, Frequency…
- record length: 1k samples
- sampling frequency: 62.5 Hz to 1.5 MHz
- sample history function
- auto set-up function
- pre-trigger function : on 0.1 ms/div .. 500 ms/div ranges
- persistence options: Colour graded, Variable and Infinite

Spectrum Analyser

TRANSIENT RECORDER:

- timescale: 20 ms/div to 2000 s/div
- max. recording time: 9.4 h/screen
- automatic storage of data
- record and display of screens
- automatic recording for more than 1 year
- max. number of samples: 100/s
- min. number of samples: 1 sample/20 s

SPECTRUM ANALYSER:

- frequency range: 0 .. 150 Hz to 75 kHz
- operating principle: FFT (Fast Fourier Transform)
- FFT resolution: 512 lines

Scope

Transient Recorder