Mobile USB Mini Scope und Waveform Generator
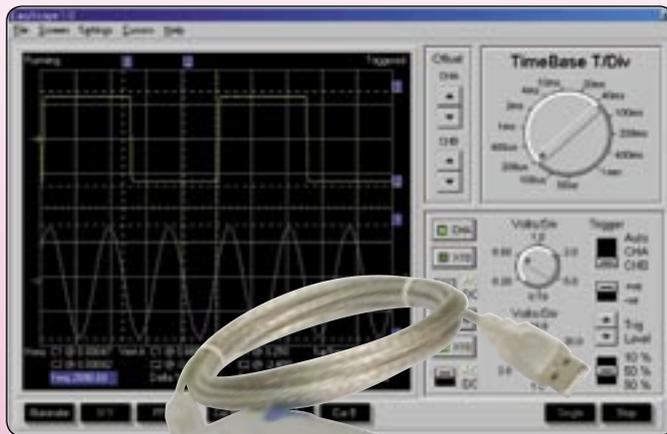
PocketScope DS1M12 - The 2 Channel "Travel Scope"

- **Low cost and easy to use:** Ideal solution for professionals, education, hobby etc.
- Oscilloscope, data logger, spectrum analyzer, voltmeter, frequency meter and waveform generator in one device.
- A/D resolution 12 bit.
- **2 channels with BNC** for x1/x10 standard probes (available as an optional accessory). Third BNC as trigger output or **waveform generator output**.
- **Simultaneous sampling** on both channels.
- **32 kB waveform buffer.**
- **20 MS/s sample rate** (repetitive), 1 MS/s native.
- Max. input voltage ±50 V.
- AC/DC coupling.
- Trigger modes: Edge, min./max. pulse width and delay trigger.
- Analog bandwidth 250 kHz.
- Inbuilt **10 bit waveform generator** with 3.5 V output range and 1 k buffer.
- Power via USB (250 mA). USB 1.1/2.0 full-speed.
- Size only ~116 mm (W) x 30 mm (H) x 100 mm (D), 160 g (without cable).
- Follow-up model of the popular DS2200C.

Optional accessory: Passive probe pair, not included! >>

Specification:

PocketScope (DS1M12, follow-up model of the DS2200C)
2 channel DSO for USB. Included: Windows drivers and software Easy-Scope II and EasyLogger. USB cable and bag.

ME-Probe LF pair
Optional accessory, see "Accessories & Software" section
Web Link: www.meilhaus.com/e_me

Specifications:

Functions

Oscilloscope, data logger, spectrum analyzer, voltmeter, frequency meter and waveform generator
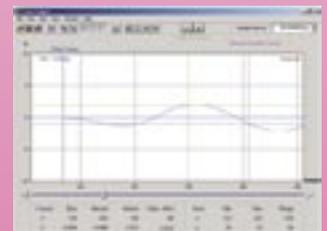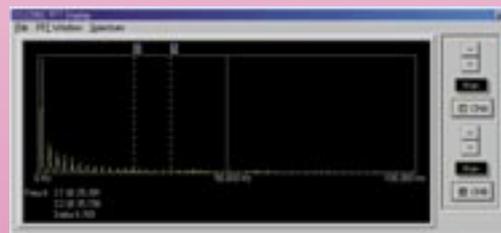
Digital Oscilloscope/DSO

Channels	2 simultaneous
A/D resolution	12 bit each channel
Sample rate	20 MS/s (repetitive), 1 MS/s native. Analog bandwidth 250 kHz
Input voltage	Max. ±50 V; AC/DC coupling (per software)
Trigger modes	Edge, min./max. puls width and delay trigger

Waveform Generator

Channel	1 output (third BNC selectable as external scope trigger input or waveform generator output)
Specifications	10 bit, ±3.5 V output range, 1 k buffer

General Data

PC interface	USB 1.1/2.0 full-speed
Power	Via USB (250 mA)
Display	2 LEDs (1 per channel)
Connectors	2x BNC 50 Ω for x1/x10 standard probes (scope channel A and B); third BNC selectable as trigger input or waveform generator output
Size (mm)	~116 (W) x 30 (H) x 100 (D), 160 g (without cable)

Software included:

DLL, drivers for Windows XP, 2000, 98SE/Me; examples for LabVIEW.

EasyScope II for Windows:
- Scope: Time base 2 µs/Div to 50 ms/Div in 14 steps. Y scale 10 mV/Div to 5 V/Div.
  On screen X and Y measurement cursors.
- FFT spectrum analyzer display.
- Meter displays: Min., max., mean, true RMS voltage + frequency.
- Save results to csv. file (compatible with Excel), save screens to .bmp files.
- Sine wave, square wave, triangle, sawtooth and user defined waveform generation.

EasyLogger for Windows:
- Sample rate >100,000 S/s to 100 S/s.
- Flexible scaling of Y (V/mV, user defined) and X axis (sample number or time).
- Save to .csv, .bmp, .txt or binary file. Data import from previously saved binary file.
- Up to 3 on-screen cursors to track data, up to 4 pop-up or E-Mail alerts.
- Text memos for incorporation user notes in the data.