PocketScope I DS1M12 USB oscilloscope, 250 kHz

Item No.: ds1m12

The 2-channel USB "pocket scope"

This USB scope is small, low-cost and easy to use. It is suitable for education, experiment and mobile applications. With the Windows software included, the module also works as a datalogger, spectrum analyzer, voltmeter and frequency meter.

- Oscilloscope, datalogger, spectrum analyzer, voltmeter, frequency meter and simple waveform generator in one device.
- A/D resolutiong 12 bit.
- 2 channels with BNC for standard probes. Third BNC shared as trigger input or waveform generator.
- Simultaneous sampling on both channels.
- 32 kB waveform buffer.
- 20 MS/s sampling rate (repetitive), 1 MS/s native.
- Max. input voltage ±50 V.
- AC/DC coupling.
- Trigger modes: Edge, min./max. pulss width and delay trigger.

- Analog bandwidth 250 kHz.
- Built-in, simple 10 bit waveform generator with 3.5 V output range and 1 k buffer.
- USB-powered (250 mA). USB 1.1/2.0 fullspeed.
- Dimensions only approx. 116 mm (W) x 30 mm (H) x 100 mm (D), 160 g (without cable).

Included 2-channel scope for USB, CD, USB cable.
Software: Windows driver and Software EasyScope II and EasyLogger.

Model overview

Model	PocketScope I (DS1M12)	PocketScope II (DS60M10)
Functions	**Oscilloscope/DSO, datalogger, spectrum analyzer, volt meter, frequency meter**	
Channels	**2 simultanous channels; input voltage max. ±50 V; AC/DC coupling**	
Resolution	**12 bit**	10/8 bit
Bandwidth	**250 kHz**	5 MHz
Sample rate	**20 MS/s (repetitive/ETS), 1 MS/s native**	Oscilloscope max. 60 MS/s simultaneou on both channels, datalogger up to 1 KS/s
Connectors	**3x BNC: Channel A, channel B, trigger input/waveform generator (resolution 10 bit, ±3.5 V output range, 1 k buffer)**	3x BNC: Channel A, channel B, trigger input/compensation output
Interface	**USB 2.0 fullspeed (compatible with USB 1.1), USB-powered**	
Dimensions (mm)	**Approx. 116 x 30 x 100**	
Software	**EasyScope II and EasyLogger**	EasyScope III oscilloscope and datalogger software