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INDUSTRIAL PRODUCT DATASHEET

Xminilab Portable

The Xminilab Portable is a small mixed signal oscilloscope with built-in AWG and protocol sniffer, designed for portable electronic debugging and analysis.

SKU	UPDATED	PRICE
104110007	2024-08-09 01:56:40	$118.00(Excl. VAT)



Overview



The Xminilab Portable integrates a mixed signal oscilloscope, arbitrary waveform generator, and protocol sniffer in a compact, portable form factor. It offers a 2.42" OLED display, USB connectivity, and measurement features including spectrum analysis, XY mode, and meter mode.

Key Features

The Xminilab Portable is a small mixed signal oscilloscope with an arbitrary waveform generator and protocol sniffer.

Features:

- Mixed Signal Oscilloscope: Simultaneous sampling of analog and digital signals.
- Advanced Trigger: Normal / Single / Auto, with rising or falling edge and adjustable trigger level.
- Meter Mode: Average, Peak to peak and Frequency readout.
- XY Mode (Plot Lissajous patterns or see the phase difference between two waveforms).
- Spectrum Analyzer with different windowing options and selectable vertical log.
- Horizontal and Vertical Cursors with automatic waveform measurements.
- Arbitrary Waveform Generator with Sweep on all parameters.
- Display options: Persistence, Different grid options, and more.
- Curve tracer function

Specifications:

General Specifications:

- ATXMEGA32A4U 36KB Flash, 4KB SRAM, 1KB EEPROM
- Graphic Green OLED display 2.42", 128x64 pixels
- Enclosure size: 3.17" x 2.22" x 0.7"
- Li-Ion Battery 750mAh
- PDI interface.
- 4 tactile switches
- USB connectivity: Windows, Linux, MAC, Android

Logic Analyzer specifications:

- 8 Digital Inputs, 3.3V / 5V
- 820k ohm input impedance
- Maximum sampling rate: 2MSPS
- Frequency counter: 16Mhz
- Protocol Sniffer: UART, I2C, SPI
- Internal pull up or pull down.
- Buffer size: 256

Oscilloscope specifications:

- 2 Analog Inputs
- Maximum Sampling rate: 2MSPS
- Analog Bandwidth: 200kHz
- Resolution: 8bits
- Input Impedance: 1M惟 15pF
- Buffer size per channel: 256
- Input Voltage Range: -14V to +20V

AWG specifications:

- 1 Analog Output
- Maximum conversion rate: 1MSPS
- Analog Bandwidth: 50kHz
- Resolution: 8bits
- Output current > +/- 7mA

- Buffer size: 256
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- Output Voltage: +/- 4V

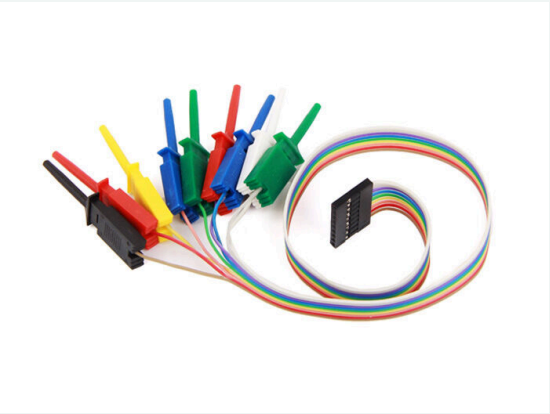
Documents:
Source Code
Schematics
XScopes PC Interface
Manual EN Translations

For any technical support or suggestion, please kindly go to our **forum**.

Product Gallery









Compliance & Logistics

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Resource Links

- https://www.seeedstudio.com/Xminilab-Portable-p-2469.html

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