

S2X100 PC-Based Digital Oscilloscope

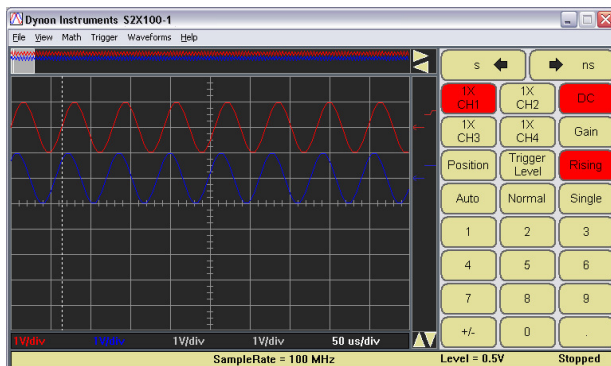
We would like to introduce the first in our new line of test equipment. Combining big performance in a compact package, the S2X100 is ideal for those users that care about quality and performance. The S2X100 is a performer, boasting 50MHz bandwidth with a sample rate of 100MS/s per channel.



Features:

- 2 Channel Slim design @ .60" height
- Proprietary Oscilloscope Probes
- 100MS/s per Channel
- 64K Sample memory depth
- $1M\Omega$ | | 20pF input impedance
- 50MHz bandwidth
- Free Firmware and Software updates
- USB powered

The S2X100's interface application is powerful and easy to use. Navigation is made simple by employing drag and drop type options allowing the user to intuitively operate the device. Our current version offers an Advanced waveform calculator along with scalar values for frequency, period, average and RMS.



Additional software features:

- Adjustable Capture Width
- Adjustable Buffer Size
- Loading/Saving of Waveform Data
- Adjustable Trigger level and type
- Pre-Trigger and Pulse Rejection
- Advanced waveform calculator
- Real-time Sample Rate display
- Invertible background color

S2X100 Specifications

Digital Storage Oscilloscope

| | |
|----------------------------|---|
| Number of Analog Channels: | 2 |
| Maximum Sample Rate: | 100 MS/s |
| Available Sample Rates: | Auto, 1k – 100M samples/second |
| Maximum Memory Depth: | 64K samples |
| Available Capture Depths: | 4K, 8K, 16K, 32K or 64k samples |
| Horizontal Range: | 5 nS/div to 1 S/div in 1, 2, 5 steps |
| Trigger Types: | Analog Rising, Analog Falling, Pulse Rejection |
| Trigger Delay Range: | +/- 100% of full capture length |

Analog Channels

| | |
|----------------------------|---|
| Vertical Resolution: | 8 bits |
| Input Impedance: | 1 M Ω 20pF |
| Maximum Input (no damage): | 130 V _{rms} at Input |
| Maximum Measurable Signal: | 10V peak-peak ⁽¹⁾ |
| -3dB analog BW: | DC coupled: DC to 50MHz AC coupled: 1Hz to 50MHz |
| Vertical Range: | 1X probe: 10mV/div to 1V/div 10X probe: 100mV/div to 10V/div |
| Offset Range: | Full screen |
| Trigger Range: | Full screen |

General Specifications

| | |
|------------------------------|--|
| Power Requirements: | USB powered (min 5.0V \pm 5% @ 350mA) |
| Operating Temperature Range: | 0 – 104 Degrees F 0 - 40 Degrees C (Non-Condensing) |
| Dimensions: | 2.65" X 4.72" X 0.59" (W X D X H) 66mm X 120mm X 15mm |
| Weight: | 2.7oz, 77g |
| Time base accuracy: | +/- 0.01% |
| PC Requirements: | Windows 98SE, 2000, XP One (1) Free USB port Connection to PC: USB (v1.1 – v2.0) |

¹ This is the maximum voltage that can be measure at the input connector. This means that with a 10X probe, 50V can be measured, or 500V with a 100X probe. This voltage is peak-peak voltage, and is independent of the DC offset level. For example, with the DC offset @ -2.5V, 0-5V can be measured.