Dynon Instruments

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:

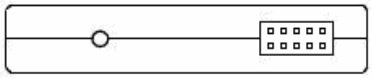
Vertical Resolution:	8 bits
Input Impedance:	1 M Ω || 20pF
Maximum Input (no damage):	1X probe: 20 V_{rms} 10X probe: 50 V_{rms}
Maximum Measurable Signal:	10V peak-peak (1)
-3dB analog BW:	DC coupled: DC to 50MHz AC coupled: 1Hz to 50MHz
Vertical Range:	1X probe: 10mV/div to 1V/div 10X probe: 100mV/div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

General Specifications:

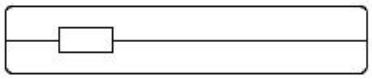
Power Requirements:	USB powered (min 5.0V ± 5% @ 350mA)
Operating Temperature Range:	0 – 104 Degrees F 0 - 40 Degrees C (Non-Condensing)
Dimensions:	2.65" X 4.72" X 0.59" (W X D X H) 66mm X 120mm X 15mm
Weight:	2.7oz, 77g
Time base accuracy	± 0.01%
PC Requirements	Windows 98SE, 2000, XP One (1) Free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

Panel Connections:

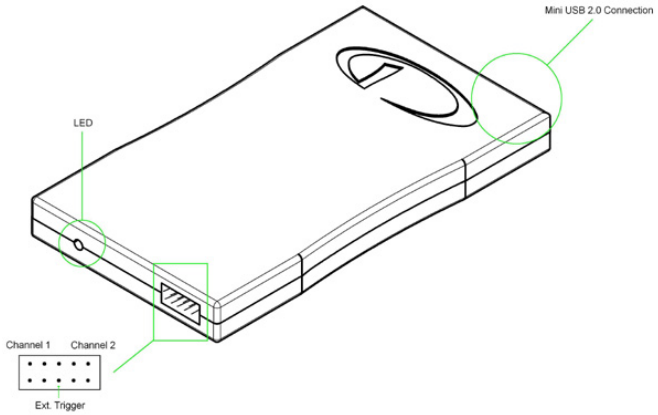
Front:



Rear:



Angle:



[1] The maximum measurable signal is ±1/2 this peak-to-peak value. 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.