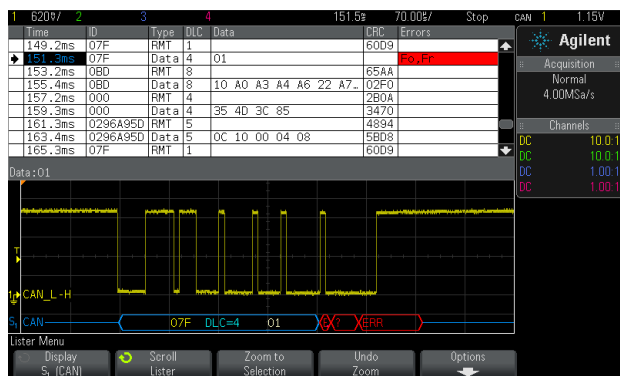


InfiniiVision 2000 & 3000 X-Series Oscilloscope Measurement Options

Agilent offers a variety of application-specific measurement options and PC-based software packages for the InfiniiVision 2000 and 3000 X-Series oscilloscopes that can make debugging and characterizing your designs more efficient.



Serial bus options (3000 X-Series models only)

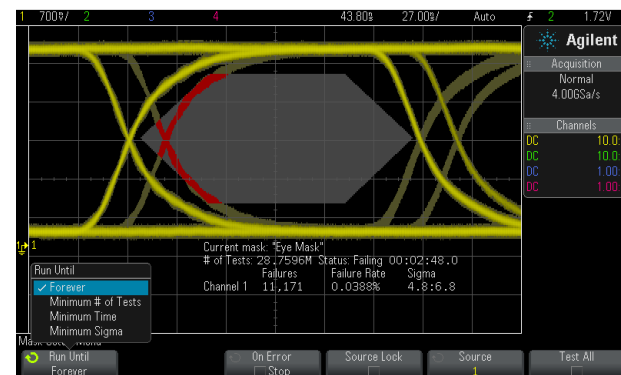
With one or more of the serial bus options on your Agilent InfiniiVision 3000 X-Series oscilloscope, your scope will automatically decode serial bus traffic based on the specific serial protocol. In addition, a wide range of serial bus triggering conditions enable you to isolate particular packets of interest. With the industry's only hardware-based decoding technology, the oscilloscope's waveform and decode update rates are virtually real-time, ensuring that infrequent communication errors are captured quickly. The InfiniiVision 3000 X-Series supports: I²C, SPI, RS232/UART, CAN, LIN, and I²S. Up to two serial buses can be decoded simultaneously with the industry's only time-interleaved "lister" display.

For more information about InfiniiVision 3000 X-Series serial bus options, refer to the InfiniiVision X-Series Serial Bus Applications data sheet (5990-6677EN).



Segmented memory option

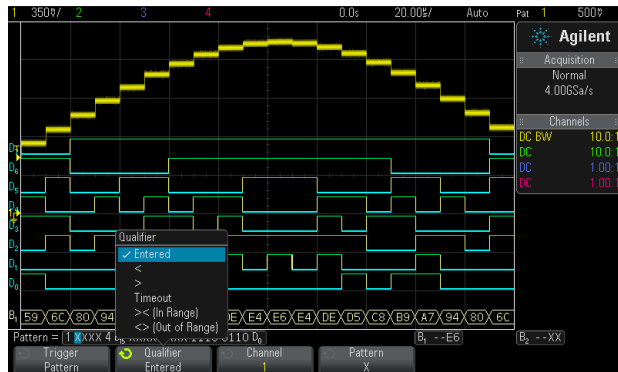
When capturing low-duty cycle pulses or data bursts, segmented memory acquisition can be used to optimize acquisition memory by selectively capturing and storing important segments of signals without consuming memory on unimportant signal idle/dead-time. Record up to 1000 occurrences of a trigger event and then play them back to easily spot anomalies for further examination. Segmented memory acquisition is ideal for applications including pulsed laser, radar bursts, high-energy physics experiments, as well as a broad range of packetized serial bus applications. Up to 1,000 segments can be captured on the 3000 X-Series models with a minimum re-arm time under 1 μ s. The segmented memory options (DSOX2SGM and DSOX3SGM) are compatible on all InfiniiVision 2000 and 3000 X-Series oscilloscope models respectively.



Mask test option

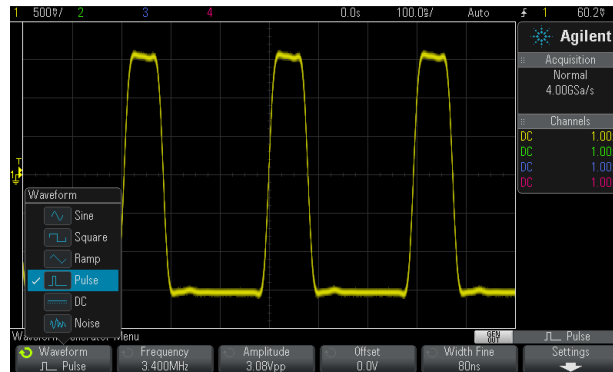
Whether performing pass/fail tests to specified standards in the manufacturing test environment, or testing for infrequent signal anomalies in the R&D debugging environment, the mask test option on Agilent's InfiniiVision 2000 and 3000 X-Series oscilloscopes can be a valuable productivity tool. With the oscilloscope industry's only hardware-based mask testing, up to 270,000 waveforms can be tested each second on 3000 X-Series models, and up to 50,000 tests per second can be performed on the 2000 X-Series models. The mask test options (DSOX2MASK and DSOX3MASK) are compatible on all InfiniiVision 2000 and 3000 X-Series models respectively.

InfiniiVision 2000 & 3000 X-Series Oscilloscope Measurement Options



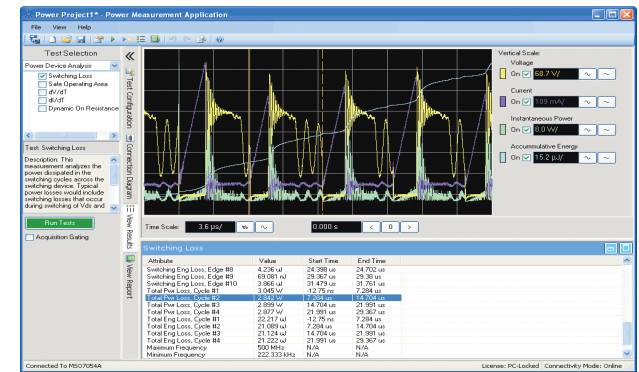
MSO option

Although you can initially purchase an InfiniiVision 2000 or 3000 X-Series oscilloscope as a pre-configured MSO model, you can also upgrade your existing DSO to add MSO acquisition and display capabilities. A mixed signal oscilloscope (MSO) is a synergistic combination of an oscilloscope with 2 or 4 channels of analog acquisition along with an easy-to-use logic timing analyzer with 8 or 16 channels of digital acquisition. Not only does an MSO provide additional channels of acquisition, it also enables additional parallel pattern and serial bus triggering possibilities to help you debug your digital and mixed-signal designs faster.



WaveGen option

When you need to make stimulus-response measurements, the WaveGen option adds a built-in 20-MHz function generator to your InfiniiVision 2000 or 3000 X-Series oscilloscope. The built-in function generator in the scope saves valuable bench space in your lab and helps stretch your limited test equipment budget. The WaveGen option provides general-purpose 20-MHz function generator capabilities with user-definable frequencies, amplitudes, offsets, and pulse widths. The WaveGen can produce the following wave shapes: sine wave, square waves (with variable duty cycle), ramps, pulses (with variable widths), DC, and noise.



Power measurements option (3000 X-Series models only)

Agilent's power application provides a full suite of power measurements that run on a PC remotely connected to the oscilloscope. This application package offers seven modules to help you characterize your device (power device analysis, input line analysis, output analysis, turn on/off analysis, transient analysis, in-rush current analysis, and modulation analysis) in addition to probe de-skew and report generation. For more information about the power measurement option (U1881A) for InfiniiVision 3000 X-Series oscilloscopes, refer to the power measurements data sheet (5989-7835EN).

Measurement option	Compatible scope models	Option model number	MSRP
I ² C/SPI trigger and decode	3000 X-Series	DSOX3EMBD	\$715
RS232/UART trigger and decode	3000 X-Series	DSOX3COMP	\$715
CAN/LIN trigger and decode	3000 X-Series	DSOX3AUTO	\$715
I ² S trigger and decode	3000 X-Series	DSOX3AUDIO	\$715
Segmented memory	2000 and 3000 X-Series	DSOX2SGM or DSOX3SGM	\$300/\$715
Mask test	2000 and 3000 X-Series	DSOX2MASK or DSOX3MASK	\$300/\$715
MSO	2000 and 3000 X-Series	DSOX2MSO or DSOX3MSO *	\$1,150
WaveGen	2000 and 3000 X-Series	DSOX2WAVEGEN or DSOX3WAVEGEN	\$500/\$715
Power measurements	3000 X-Series	U1881A	\$1,700
Education training kit	2000 and 3000 X-Series	DSOXEDK	\$500

* If upgrading a DSO model oscilloscope to add MSO capabilities.