X-Stream Oscilloscope Version 4.6.1 Release Notes

January 2006

Product	New Feature	Enhancement	Behavior Change	Item	Description
WaveRunner 6000A Series			x	erratic motion in scroll mode	The scrolling of waveforms has been smoothed out.
WavePro 7000A Series WaveMaster Series SDA DDA			x	loss of precision in multi-zoom mode	It was possible to see a shift in the zoom position after turning the front panel zoom position knob in one direction, then back. There is no longer any shift.
			x	unexpected change in hysteresis	The hysteresis setting for the width@level parameter could unexpectedly change from divisions to %. This has been corrected.
			x	Delay setting constant in divisions	It was possible for the delay constant to remain in Time after being set to Divisions. This has been corrected.
			x	missing pulses in SMART trigger mode	With the timebase set to 10 ns/div, it was possible for 20-ns pulses to be undisplayed because of insufficient pretrigger sampling. This has been corrected.
SDA			x	apparent suspension of processing in AsynchNCycle mode	An internal clear sweeps operation that was causing a reset of Max N has been corrected.
			x	FibreChannel 2126 masks	The database for these masks has been corrected to enable proper loading of masks.
		x		CMACp parameter testing	This test has been improved to comply better with the PCIE spec.
		x		PLL filter	The PLL filter has been improved to correlate better with SIGTEST.
			x	incorrectly displayed masks	When the mask type is switched between Normalized and Absolute, the mask will continue to be displayed correctly after data is acquired.
			x	Ref Receiver	With an optical converter in use, smearing of waveforms was possible when Ref Receiver was turned on and off. Ref Receiver could also cause spurious changes in rise time when the sampling rate was changed. These occurrences have been eliminated.
SDA 11000			x	switching DBI mode with AP-1M adapter in use	When an AP-1M hi-Z adapter is in use, and the DBI sampling mode is switched for that channel, it was possible for the scope to enter an unstable state. This has been corrected.
	x			variable gain	This release includes support for limited variable gain, by which you can set the granularity of the gain adjustment knob. To enable this feature a factory recalibration is required.
		x		long memory acquisitions	We have made significant performance improvements for long memory acquisitions.
WaveExpert	x			hardware deskew	The WaveExpert oscilloscope now supports hardware deskew ±50 ps on each channel.
		x		sequential timebase	We have improved the sequential timebase; however, this requires a recalibration.

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DDA			x	Viterbi plots	When Viterbi Input Samples is selected as the plot type, the DDA will suppress unnecessary linear interpolation to produce a smooth plot, as in previous versions of software.