

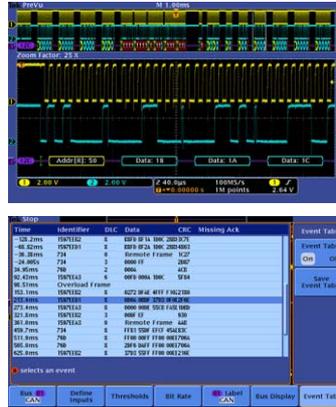
MSO/DPO3000 Series vs. LeCroy WaveSurfer Xs-A Series

Competitive Fact Sheet

Serial Triggering and Decode

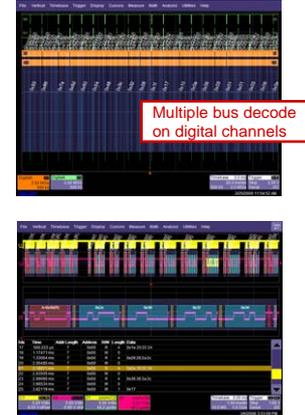
Tektronix MSO/DPO3000 Series

- ✓ Simple time-correlated and labeled bus form display with color coded decode.
- ✓ Wave Inspector® controls quickly navigate through long records to find events of interest.
- ✓ Large easy to read tabular view with timestamp.
- ✓ Highlighting a packet centers the YT display on that packet.
- ✓ Serial search completely integrated into Wave Inspector search.



LeCroy WaveSurfer Xs-A Series

- ✗ Overlaid color coding obscures waveforms, is difficult to read, and waveforms are not automatically labeled.
- ✗ Zoom uses multiple zoom windows with multiplexed front panel controls. Very difficult to view two decoded buses in same graticule.
- ✗ Table of packets in lower half of display only.
- ✓ Highlighting a packet centers the YT display on that packet.
- ✗ Serial search is completely separate from WaveScan search.



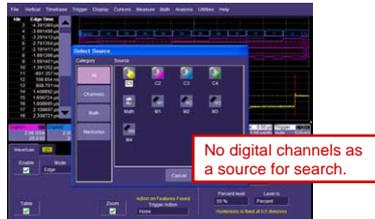
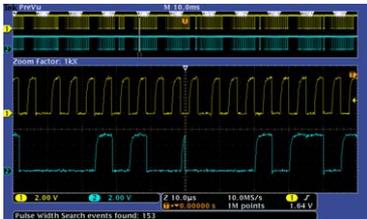
Navigation and Search

Tektronix MSO/DPO3000

- ✓ Dedicated pan/zoom Wave Inspector front panel controls quickly navigate through long records.
- ✓ Search on analog and digital channels.
- ✓ Search events found counter.
- ✓ Automated search marks.

LeCroy WaveSurfer Xs-A

- ✗ Time intensive horizontal position used to scroll through data.
- ✗ No search on digital channels.
- ✗ No search events found counter.
- ✗ No marks (user or automated).
- ✓ WaveScan search on measurement parameters.



Key Specifications Comparison

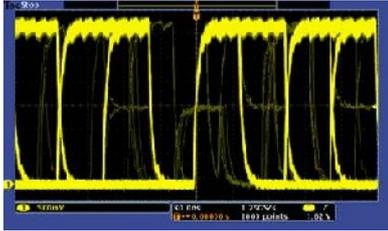
	Tektronix MSO/DPO3000 Series	LeCroy WaveSurfer Xs-A
Channels	✓ 2, 4 (+16 digital MSO)	✓ 2, 4 (+18 or 36 digital MSO)
Bandwidth	✓ 100, 300, 500 MHz	✓ 200, 400, 600 MHz, 1 GHz
Max. Sample Rate (All channels on)	✓ 2.5 GS/s	✓ 2.5 GS/s
Std. Record Length (All channels on)	✓ 5 M points	✓ 5 M points
Max. Record Length (All channels on)	✗ 5 M points	✓ 10 M points (optional)
Input Impedance	✓ 1M Ω , 75 Ω , 50 Ω	✗ 1M Ω , 50 Ω
Serial Triggering and Decode	✓ I ² C, SPI, CAN, LIN, RS-232/422 /485/UART, I ² S/LJ/RJ/TDM	✓ I ² C, SPI, CAN, LIN, RS-232/UART, I ² S/LJ/RJ/TDM, 1553
Navigation and Search	✓ Wave Inspector® controls	✗ WaveScan and separate serial search

MSO/DPO3000 Series vs. LeCroy WaveSurfer Xs-A Series

Competitive Fact Sheet

Discovering an Intermittent Pulse

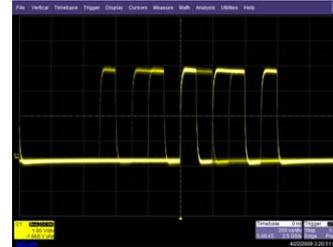
Tektronix MSO/DPO3000 Series



Many glitches and intermittent pulses are captured in 10 seconds.

- ✓ >50,000 wfms/s maximum waveform capture rate.
- ✓ Persistence available in any capture mode.

LeCroy WaveSurfer Xs-A



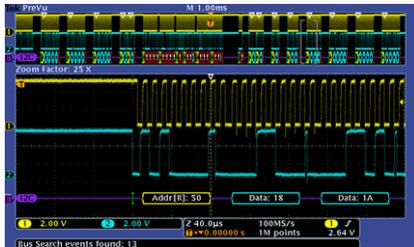
No glitches or intermittent pulses are captured in 1 minute.

- ✗ Waveform capture rate not specified for normal acquisition or for WaveStream™ high speed capture mode.
- ✗ Persistence not available in WaveStream™ high speed capture mode.
- ✗ WaveStream™ high speed capture mode not supported when digital channels are on.

Serial Search

Tektronix MSO/DPO3000 Series

- ✓ Wave Inspector seamlessly integrates serial buses into automated search.
- ✓ Automatically places marks at each occurrence of the search event.
- ✓ Reports the total number of events found and automatically marks each occurrence.



LeCroy WaveSurfer Xs-A

- ✗ Serial search is completely separate from WaveScan.
- ✗ No search marks.
- ✗ No total number of events found.



Limited, separate serial search

Digital Debug with MSO

Tektronix MSO3000 Series

- ✓ Fully integrated digital channels with single probe connection on front.
- ✓ Digital channels can be grouped and independently moved in the display.
- ✓ Green trace for highs (1), blue trace for lows (0).
- ✓ Digital signals fully integrated into Wave Inspector search and navigation.



LeCroy WaveSurfer Xs-A & MS-250 or MS-500

- ✗ Large external brick that requires multiple connections to the scope.
- ✗ There is no visible difference between a low and a high.
- ✗ Groups of signals can be shown individually or as a bus, but not both.
- ✗ Cannot arrange ordering of bits in display. Hardware order only.
- ✗ No search on digital channels or parallel buses

