

MSO/DPO4000 Series vs. LeCroy WaveSurfer Xs-A Series

Competitive Fact Sheet

Serial Triggering and Decode

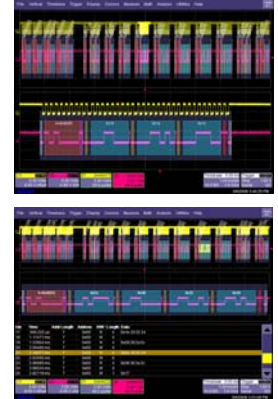
Tektronix MSO/DPO4000 Series

- ✓ 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.
- ✓ View all packets in memory whether on screen or not.
- ✓ Highlighting a packet centers the YT display on that packet.



LeCroy WaveSurfer Xs-A Series

- ✗ Overlaid color coding obscures waveforms, is difficult to read, and waveforms are not labeled.
- ✗ Zoom uses multiple zoom windows with multiplexed front panel controls.
- ✗ Table of packets in lower half of display only.
- ✗ Only displays packets that are visible on screen.
- ✓ Highlighting a packet centers the YT display on that packet.



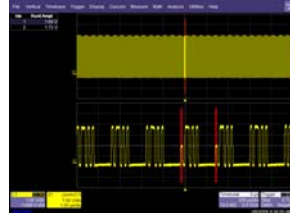
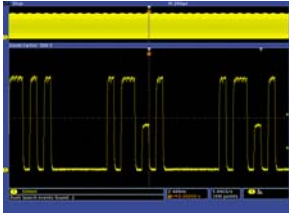
Navigation and Search

Tektronix MSO/DPO4000 Series

LeCroy WaveSurfer Xs-A

- ✓ Dedicated Wave Inspector® front panel controls to quickly navigate through long records.
- ✓ Search events found counter.
- ✓ Automated search marks.

- ✗ Horizontal position used to scroll through data.
- ✗ No search events found counter.
- ✗ No marks (user or automated).
- ✓ WaveScan™ search on measurement parameters.



Key Specifications Comparison

	Tektronix MSO/DPO4000 Series		LeCroy WaveSurfer Xs-A	
Channels	✓	4	✓	2, 4
Bandwidth	✓	350 MHz, 500 MHz, 1 GHz	✓	200, 400, 600 MHz, 1 GHz
Max. Sample Rate (All channels on)	✓	2.5 GS/s, 5 GS/s	✓	2.5 GS/s
Max. Record Length (All channels on)	✓	10 M points	✓	10 M points (optional)
Serial Triggering and Decode	✓	I ² C, SPI, USB, CAN, LIN, RS-232/422/485/UART, FlexRay, I ² S/LJ/RJ/TDM	✓	I ² C, SPI, CAN, LIN, RS-232/UART, I ² S/LJ/RJ/TDM, 1553 (no USB or FlexRay)
Navigation and Search	✓	Wave Inspector® controls	✗	WaveScan™ and separate serial search

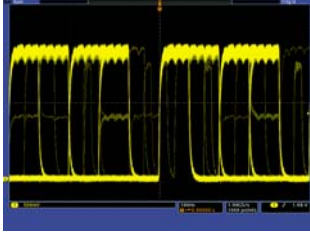
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Competitive Fact Sheet

Capturing an Intermittent Pulse

Tektronix MSO/DPO4000 Series

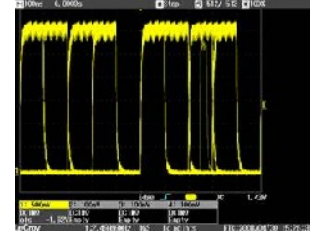
Infinite persistence stopped after 10 second capture



- ✓ 50,000 wfms/s capture rate.
- ✓ As shown, many glitches and intermittent pulses are captured in 10 seconds.
- ✓ Persistence available in any capture mode.

LeCroy WaveSurfer Xs-A

Infinite persistence stopped after 1 minute capture



- ✗ Waveform capture rate not specified for normal acquisition.
- ✗ As shown, few glitches or intermittent pulses are captured in 1 minute.
- ✗ Persistence not available in WaveStream™ high speed capture mode.

Serial Search

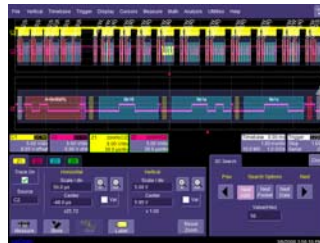
Tektronix MSO/DPO4000 Series

- ✓ Wave Inspector® controls seamlessly integrate serial into automated search.
- ✓ Search the entire record whether on screen or not.
- ✓ Reports the total number of events found and automatically marks each occurrence.



LeCroy WaveSurfer Xs-A

- ✗ Serial search is completely separate from WaveScan™.
- ✗ Searches only information on screen and does not place marks.
- ✗ No total number of events found.



Dedicated Front Panel Controls

Tektronix MSO/DPO4000 Series

- ✓ Per-channel vertical controls.
- ✓ Wave Inspector® controls make navigation and search easy.
- ✓ Quick front panel access to Math, Reference, Bus Setup, and Measurements.



LeCroy WaveSurfer Xs-A

- ✗ Multiplexed vertical controls.
- ✗ Multiplexed zoom controls.
- ✗ Windows UI requires using a touch screen and/or a mouse.

