

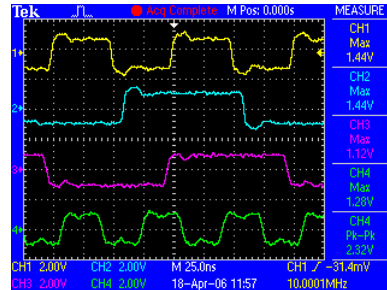
TDS1000B/2000B Series vs. Agilent DSO1000A Series

Competitive Fact Sheet

Ease of Use

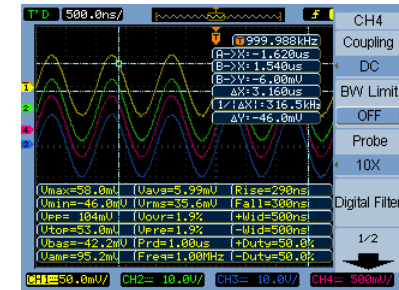
Tektronix TDS1000B/2000B Series

- ✓ User specified measurements and cursor readings are presented next to the graticule.
- ✓ No menu has more than 2 pages.
- ✓ A 179-page printed manual is included with the instrument.
- ✓ Indexed, context sensitive help system with hyperlinks works like a built-in manual.



Agilent DSO1000A Series

- ✗ Measurements and cursor readings cover up the waveform area.
- ✗ Menus can have up to three pages. For example, the display menu includes 9 different settings.
- ✗ A printed manual is not included.
- ✗ No help index and no hyperlinks make it difficult to jump between topics.



Portability and Work Environment

Tektronix TDS1000B/2000B Series

- ✓ 300V CAT II. Rated for measurements on circuits directly connect to mains.
- ✓ 2.0 kg weight
- ✓ Silent operation
- ✓ Operates up to 50° C
- ✓ 30 W max power consumption



Agilent DSO1000A Series

- ✗ 300V CAT I. Rated for measurements on circuits not connected to mains.
- ✗ 3.0 kg weight
- ✗ Contains a cooling fan
- ✗ Operates up to 40° C
- ✗ 60 W max power consumption



Key Specifications Comparison

	Tektronix TDS1000B/2000B Series		Agilent DSO1000A Series	
Channels	✓	2, 4	✓	2, 4
Bandwidth	✓	40, 60, 100, 200 MHz	✓	60, 100, 200 MHz
Max. Sample Rate (All channels on)	✓	500 MS/s, 1 GS/s, 2 GS/s	✓	2 GS/s
Max. Record Length (All channels on)	✗	2.5k points	✓	10k points
Included software	✓	Basic Capture Excel/Word Toolbars NI LabVIEW Signal Express Software	✗	Basic Capture Excel/Word Toolbars
Interfaces	✓	USB, Optional GPIB	✗	USB

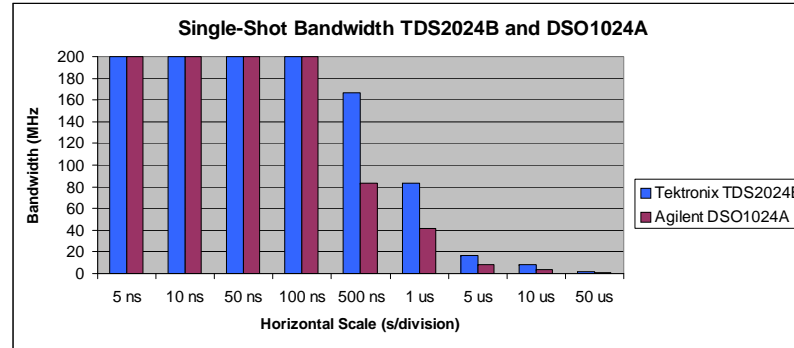
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Competitive Fact Sheet

Sampling Performance

Tektronix TDS1000B/2000B Series

- ✓ Faster sample rates when horizontal scale set from 500 ns/div to 20 ms/div give higher single-shot bandwidth.
- ✓ Real-time sample rate does not depend on number of active channels.



Using 3 points per cycle, and maximum analog bandwidth of 200 MHz

Agilent DSO1000A Series

- ✗ Slower sample rates when horizontal scale set from 500 ns/div to 20 ms/div give lower single-shot bandwidth.
- ✗ Real-time sample rate varies with number of active channels at fast horizontal settings.

Warranty Duration

Tektronix TDS1000B/2000B Series

- ✓ Limited lifetime warranty covers the instrument for 10 or more years



Agilent DSO1000A Series

- ✗ 3 year warranty

Tektronix MSO2000 and DPO2000 Series

Advanced Features for Embedded Design

- ✓ Wave Inspector® Navigation and Search for efficient evaluation of records up to 1 million points
- ✓ 7-inch TFT Display
- ✓ Decode, search and trigger on serial buses like I²C, SPI, RS-232 and others.
- ✓ 16 digital channels (MSO Series)



www.tektronix.com/tds1000b_tds2000b