

TBS2000B Series vs. Rigol DS2000A Series

COMPETITIVE FACT SHEET

Visualization

Tektronix TBS2000B Series



- ✓ 9" WVGA display.
- ✓ 15 horizontal grids.

Rigol DS2000A Series



- ✗ 8" WVGA.
- ✗ 14 horizontal grids.

Key Specifications Comparison

	Tektronix TBS2000B Series		Rigol DS2000A Series	
Analog Channels	✓	2, 4	✗	2
Bandwidth	✗	70, 100, 200 MHz	✓	100, 200, 300 MHz
Max. Sample Rate (All channels on)	✓	1 GS/s	✗	1 GS/s
Max. Record Length (All channels on)	✗	5 M points	✓	7 M points 28 M points (optional)
Time-base Range	✓	1ns/div to 100s/div (All Models)	✓	5ns/div to 1ks/div (70&100MHz) 2ns/div to 1ks/div (200MHz) 1ns/div to 1ks/div (300MHz)
Auto Measurement	✓	32	✗	29
Standard Trigger Types	✗	Edge, Pulse width, Runt	✓	Edge, Pulse width, Runt, Slope, Pattern, Setup/Hold, RS-232, I ² C, SPI

Probe and Measurement

Tektronix TBS2000B Series



- ✓ TekVPI® probe interface supports active, differential, and current probes without the need for external power. Probes communicate with TBS2000B.
- ✓ 32 automatic measurements can be categorized and laid out in one page for straight-forward selection.
- ✓ Cursor measurement with on-waveform readouts.
- ✓ Display 6 measurements on screen.

Rigol DS2000A Series



- ✗ Standard BNC interface. No power provided by the scope, and no communication.
- ✗ 24 automatic measurements are selected from a long list. You are not able to see them all at once.
- ✗ Cursor measurement readouts are off to the side of the screen.
- ✗ Display up to 5 measurements.

Safety and Reliability

Tektronix TBS2000B Series

- ✓ 5 years of warranty.
- ✓ No fans in 2-channel models, for low noise operation.
- ✓ Max. Input Voltage: CATII 300Vrms.

Rigol DS2000A Series

- ✗ 3 years of warranty.
- ✗ Fans in all models.
- ✗ Max. Input Voltage: CATII 100Vrms.

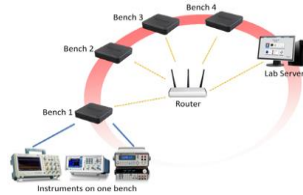
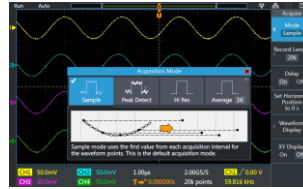
TBS2000B Series vs. Rigol DS2000A Series

COMPETITIVE FACT SHEET

Education for Everybody

Tektronix TBS2000B Series

- ✓ **HelpEverywhere** – Shows real-time instructions for key operations like triggering or measuring.
- ✓ **ScopeIntro** – Built-in knowledge book with detailed introduction of oscilloscope and current models.
- ✓ **Courseware** – Lab exercises may be downloaded for free and may be loaded and viewed on the oscilloscope.
- ✓ **TekSmartLab** – TBS2000B is fully compatible with TekSmartLab software for presetting lab stations and monitoring student progress from a professor's workstation.



Rigol DS2000A Series

- ✗ No instructions for key operations.
- ✗ No built-in oscilloscope or operation guide.
- ✗ Lab exercises may not be loaded or viewed on the oscilloscope.
- ✗ No solution for presetting lab stations or monitoring student progress during labs from a professor's workstation.

Remote Connectivity

Tektronix TBS2000B Series



- ✓ First basic oscilloscope with Wi-Fi dongle support.
- ✓ Two USB ports on rear panel: one USB HOST for flash drive or Wi-Fi dongle; one USB DEVICE for remote control via PC.
- ✓ LAN port included standard. TBS2000B can be remotely accessed on any device on the network equipped with a web browser.

Rigol DS2000A Series



- ✗ No wireless connectivity.
- ✗ Only one USB port on rear panel: USB DEVICE.
- ✓ LAN as standard with LXI compatibility.

Find more valuable resources at [TEK.COM](https://www.tek.com)

Copyright © Tektronix. All rights reserved. Tektronix products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specification and price change privileges reserved. TEKTRONIX and TEK are registered trademarks of Tektronix, Inc. All other trade names referenced are the service marks, trademarks or registered trademarks of their respective companies.
022420 3GW-61663-0