

TBS2000B Series vs. GW-Instek GDS2000E Series

COMPETITIVE FACT SHEET

Visualization

Tektronix TBS2000B Series



- ✓ 9" WVGA display with 15 horizontal grids, 100% waveform display with menu-off.
- ✓ 5M record length to capture long time windows.
- ✓ Small form factor 2-channel instrument.

GW-Instek GDS2000E Series



- ✗ 8" WVGA display with 10 horizontal grids.
- ✓ 10M record length.

Key Specifications Comparison

	Tektronix TBS2000B Series	GW-Instek GDS2000E Series
Analog Channels	✓ 2, 4	✓ 2, 4
Bandwidth	✗ 70, 100, 200 MHz	✓ 70, 100, 200, 300 MHz
Max. Sample Rate	✓ 1 GS/s / 2GS/s Interleave	✗ 500MS/s / 1 GS/s
Max. Record Length (All channels on)	✗ 5 M points	✓ 10 M points
Time-base Range	✓ 1ns/div to 100s/div	✓ 1ns/div to 100s/div
Auto Measurement	✗ 32	✓ 36
Trigger Types	✗ Edge, Pulse width, Runt	✓ Edge, Pulse width, Video, Runt, Rise & Fall, Alternate, Time out, Event-Delay

Probe and Measurement

Tektronix TBS2000B Series



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

GW-Instek GDS2000E Series



- ✗ Standard BNC interface. No power provided by the scope, and no communication.
- ✗ 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 bottom of the screen.

Safety and Reliability

Tektronix TBS2000B Series

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

GW-Instek GDS2000E Series

- ✗ 3 years of warranty.
- ✗ Fans in all models.
- ✗ Max. Input Voltage: 300Vrms [no published CAT rating].

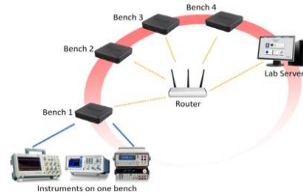
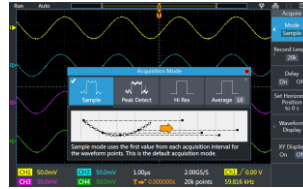
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Education for Everybody

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.



GW-Instek GDS2000E Series

- ✗ No instructions for key operations.
- ✗ Only lab guide and tutorial in CD or on GW-Instek website.
- ✗ 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 included as standard. TBS2000B can be remotely accessed by any device on the same network equipped with a web browser.

GW-Instek GDS2000E Series

- ✗ No wireless connectivity.
- ✓ One USB HOST for flash drive; one USB DEVICE for remote control via PC.
- ✗ LAN is standard.

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