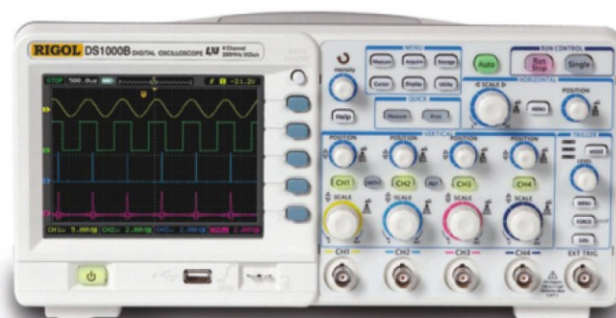


DS1000B Series

Digital Storage Oscilloscope

Features

- ▶ 4 analog channels
- ▶ 2 GSa/s Real-time Sample Rate and 50 GSa/s Equivalent-time Sample Rate
- ▶ Memory Depth: 16 kpts (half channel), 8 kpts (each channel)
- ▶ 22 Automatic Measurements
- ▶ 5.7" TFT QVGA (320×240) with 64K color LED backlight display with power save mode
- ▶ Advanced trigger modes including Edge, Video, Pulse Width, Alternate and Pattern trigger across 4 analog channels
- ▶ Adjustable trigger sensitivity: Effectively filter noise from trigger signal and avoid false trigger
- ▶ Built-in USB Host and USB Device to support USB flash drive, PictBridge printers and direct system upgrades
- ▶ LXI Class C certified LAN Ethernet connectivity standard
- ▶ Backlight Keys, Intuitive user interface, Menu and in-scope help available in Chinese and English



Model	DS1204B	DS1104B	DS1064B
Bandwidth	200 MHz	100 MHz	60 MHz
Memory Depth	16 kpts (half Channel), 8 kpts (each Channel)		
Channels	4 channels, external trigger		
Real-time Sample Rate	2 GSa/S (half Channel), 1 GSa/s (each Channel)		
Equivalent-time Sample Rate	50 GSa/s	25 GSa/s	10 GSa/s
Rise Time	1.8 ns	3.5 ns	5.8 ns
Input Impedance	1 MΩ 18 pF		
Time Base Range	1 ns/div ~ 50 s/div	2ns / div ~ 50 s/div	5 ns /div ~ 50 s/div
Trigger Modes	Edge, Video, Pulse Width, Slope, Alternative, pattern trigger across 4 analog channels		
Vertical Sensitivity	2 mV / div ~ 10 V/div		
Vertical Resolution	8 bits		
Maximum Input Voltage	All Inputs 1MΩ 18 pF 300 Vrms CAT I		
Cursor Measurements	Manual, Track and Auto Measure modes		
Automatic Measurements	Vpp, Vamp, Vmax, Vmin, Vtop, Vbase, Vavg, Vrms, Preshoot, Overshoot, Frequency, Period, Rise Time, Fall time, Positive Width, Negative Width, Positive Duty Cycle, Negative Duty Cycle, Time Delay A→B _↗ , Time Delay A→B _↘ , Phase Delay A→B _↗ , -Phase Delay A→B _↘		
Math	Add, Subtract, Multiply, FFT		
Internal Storage	10 waveforms and 10 Setups		
USB Storage	8 bits BMP, 24 bits BMP, PNG, CSV, Waveforms and Setups against USB flash drive's limit		
Connectivity	USB Device, dual USB Host, LXI-C compliant LAN		
Display	5.7" TFT QVGA (320 x 240) with 64 K color LED backlight display		
Power Supply	AC : 100-127 V, 45 Hz - 440 Hz; 100-240V, 45 Hz - 65 Hz. 60 VA Max		

Subject to Change

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