

RIGOL
Beyond Measure

DS1000B Series
Digital Oscilloscopes



4-Channel RIGOL In-House, Customized AFE Design

High Performance 4-Channel Digital Oscilloscope

RIGOL DS1000B series digital oscilloscope features 4 analog input channels, 2 GSa/s real time sample rate, up to 200 MHz bandwidth and much more to simplify your system design and test.

The State-of-art Custom AFE Design

Utilizing the state-of-art ASIC technology, RIGOL's proprietary in-house design AFE replaces traditional mechanical relays to eliminate acoustical noise, achieve higher performance and reliability.

Ultrascope Software

With supplied Ultrascope Software, you can set up the communication between the DS1000B series and PC's easily. The software supports screen capture, waveforms and setups storage and remote control.

Powerful Triggering

DS1000B series offers powerful triggering; with Edge, Pulse Width, Video, Slope, Alternate, Pattern triggering, and adjustable triggering sensitivity, you will never miss a test signal in question.

LED backlight Display

5.7" QVGA (320X240) 64 K TFT color display uses the latest LED backlight technology, which gives you the best viewing experience, yet consumes less power and lasts a longer lifespan.

Versatile Connectivity

Standard connecting interfaces: USB Device, USB Host X2 and LAN

LXI compliance and PictBridge Supported



Comparison Table

	RIGOL	Tek
	DS1204B	TDS2024B
Bandwidth	200 MHz	200 MHz
Real-time Sample Rate	2 GSa/s	2 GSa/s
Equivalent Sample Rate	50 GSa/s	×
Memory Depth	8 k	2.5 k
Trigger Modes	Edge、Pulse Width、Pattern/TV	Edge、Pulse Width、Video、
Display	QVGA (320 x240), 65,000 colors, 5.7" TFT LCD	1/4 VGA passive color LCD
Screen Display	12 div	10 div
Standard Interface	USB Device、USB Hostx2、LAN	USB Device、USB Host
Automatic Measurement	22 (display 18 measure data)	11 (display 5 measure data)
Internal Storage	10 waveforms/10 setups	4 waveforms/10 setups
USB Storage	8 bit Bitmap、24 bit Bitmap、PNG、CSV、 Waveform、Setup	CSV、Setup
Pass/Fail Detection	√	×
Waveform recorder/replay	√	×
Adjustable trigger sensitivity	√	×

Modes

Mode	DS1064B	DS1104B	DS1204B	DS1062B	DS1102B	DS1202B
Channels	4	4	4	2	2	2
Bandwidth	60 MHz	100 MHz	200 MHz	60 MHz	100 MHz	200 MHz
Real-time Sample Rate	2 GSa/s					
Equivalent Sample Rate	50 GSa/s					
Waveform Capture Rate	1000 wfms/s					
Memory Depth	8 k					

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