

DS1000B Series
Digital Oscilloscopes



The Highest Performance 4 Channel Scopes in its class!

Highest Performance in its class:

The DS 1000B Series Oscilloscopes with 4 channels, up to 2 GSa/s Sample Rate, Bandwidth options from 60 to 200 MHz with 16K points of memory are clearly the best performance products in this category.

New Front End Technology

The DS 1000B incorporates our Proprietary ASIC front end which replaces all traditional mechanical relays to provide superior performance with longer life.

LXI Certified

The DS 1000B series is the 1st scope in its class to be certified by the LXI consortium, providing you the flexibility of programming over the web and the confidence that our product conforms to this rigid industry specification.

Great Display

The DS 1000B uses a 5.7" QVGA (320x240) 64K TFT color display. This display provides a brighter, more vivid display while consuming less power and has a longer life span than conventional LCD displays.

Ultrascope Software

Now in its 3rd version since 1st introduced, Ultrascope allows for easy capture of waveforms, setups and remote control of the Scope.

Powerful functions not found in other products

We continue to add powerful capabilities based on our customers needs. In addition to features like Digital Filtering, pass/fail testing, record and playback, the DS 1000B now provides Logic Triggering across the 4 channels and Alternate triggering providing a true dual time-base scope.

I/O Enhancements

The DS 1000B provides the most complete set of I/O in its class. These include LAN, USB and USB host (x 2) to support flash memory.



Comparison Table

| | RIGOL DS 1000B | TEK TDS 2000B |
|------------------------------|--|--------------------------|
| Bandwidth | Up to 200 MHz | Up to 200 MHz |
| Max Sample Rate | 2 GSa/s | 2 GSa/s (TDS2024B only) |
| Equivalent Sample rate | Up to 50 GSa/s | N.A. |
| Max Memory Depth | 16 k | 2.5 k |
| Trigger Modes | Edge, Pulse width, Video, Pattern, Alternate | Edge, Pulse width, Video |
| LXI Compatibility | YES | NO |
| Display | TFT LCD, LED backlight | Passive LCD |
| Standard Interfaces | USB Device, USB Host x2 and LAN | USB Device, USB Host |
| Automatic Measurements | 22 (display 18) | 11 (display 5) |
| Screen Display | 12 div | 10 div |
| Internal Storage | 10 waveforms/10 setups | 4 waveforms/10 setups |
| Pass/Fail Detection | YES | NO |
| Waveform Record | YES | NO |
| Adjustable Trigger Sensivity | YES | NO |

Models

| | DS1064B | DS1104B | DS1204B |
|-----------------------------|--|----------|----------|
| Channels | 4 | 4 | 4 |
| Bandwidth | 60 MHz | 100 MHz | 200 MHz |
| Real time sample rate | 2 GSa/s (half channel), 1 GSa/s (each channel) | | |
| Equivalent time sample rate | 10 GSa/s | 25 GSa/s | 50 GSa/s |
| Memory Depth | 16 k (half channel), 8 k (each channel) | | |
| Display | 5.7" QVGA (320 x240), 65,000 colors, TFT LCD, LED backlight | | |
| Trigger Modes | Edge, Pulse Width, Video, Pattern, Alternate | | |
| Standard interfaces | USB Host x2, USB Device, LAN | | |
| Math and Analyse | Add, Subtract, Multiply, FFT (1024 sample points), Ultrascope software | | |

RIGOL TECHNOLOGIES, INC.

Address: 156# Cai He Village, Sha He Town, Chang Ping District, Beijing, China
 Post Code: 102206
 Tel: (8610) 8070 6688 Fax: (8610) 8072 5571
 E-mail: oversea_sales@rigol.com
 Http: <http://www.rigolna.com>



In order to get latest technical materials, please contact with RIGOL's local distributors in time.