



¡ Tu Sitio de Automatización !

Digital Storage Oscilloscopes

TDS1000B Series • TDS2000B Series



Features

- 40 MHz, 60 MHz, 100 MHz, and 200 MHz Bandwidths
- Sample Rates up to 2 GS/s Real Time
- 2 or 4 Channels
- Color or Monochrome LCD Display
- Removable Data Storage via Front Panel USB Port
- Seamless PC Connectivity via USB Device Port, with OpenChoice® and NI SignalExpress® PC Software
- Advanced Triggers Including Pulse Width Trigger and Line-Selectable Video Trigger
- FFT Standard on All Models
- 11 Automatic Measurements
- Multiple Language User Interface and Context-sensitive Help
- Direct Print to all PictBridge® Compatible Printers via USB Device Port
- Limited Lifetime Warranty *¹

Characteristics

	TDS1001B	TDS1002B	TDS1012B	TDS2002B	TDS2004B	TDS2012B	TDS2014B	TDS2022B	TDS2024B
Display (1/4 VGA LCD)	Mono	Mono	Mono	Color	Color	Color	Color	Color	Color
Bandwidth* ²	40 MHz	60 MHz	100 MHz	60 MHz	60 MHz	100 MHz	100 MHz	200 MHz	200 MHz
Channels	2	2	2	2	4	2	4	2	4
External Trigger Input	Included on all models								
Sample Rate on each channel	500 MS/s	1.0 GS/s	1.0 GS/s	1.0 GS/s	1.0 GS/s	1.0 GS/s	1.0 GS/s	2.0 GS/s	2.0 GS/s
Record Length	2.5 K points at all time-bases on all models								
Vertical Resolution	8 bits								
Vertical Sensitivity	2 mV to 5 V/div on all models with calibrated fine adjustment								
DC Vertical Accuracy	+3% on all models								
Vertical Zoom	Vertically expand or compress a live or stopped waveform								
Maximum Input Voltage	300V _{RMS} CAT II; derated at 20 dB/decade above 100 kHz to 13V _{pk-pk} AC at 3 MHz								
Position Range	2 mV to 200 mV/div +2 V; >200 mV to 5 V/div +50 V								

Bandwidth Limit	20 MHz for all models									
Input Coupling	AC, DC, GND on all models									
Input Impedance	1 MO in parallel with 20pF									
Time Base Range	5 ns to 50 sec/div	5 ns to 50 sec/div	5 ns to 50 sec/div	5 ns to 50 sec/div	5 ns to 50 sec/div	5 ns to 50 sec/div	5 ns to 50 sec/div	5 ns to 50 sec/div	2.5 ns to 50 sec/div	2.5 ns to 50 sec/div
Time Base Accuracy	50 ppm									
Horizontal Zoom	Horizontally expand or compress a live or stopped waveform									
I/O INTERFACES										
USB Ports	Included on all models: 2 USB 2.0 Ports USB host port on front panel supports USB flash drives USB device port on back of instrument supports connection to PC and all PictBridge compatible printers									
GPIB	Optional									
NON-VOLATILE STORAGE										
Reference Waveform Display	(2) 2.5 K point reference waveforms									
Waveform Storage w/o USB Flash Drive	(2) 2.5 K point	(2) 2.5 K point	(2) 2.5 K point	(2) 2.5 K point	(4) 2.5 K point	(2) 2.5 K point	(4) 2.5 K point	(2) 2.5 K point	(4) 2.5 K point	(4) 2.5 K point
Waveform Storage with	96 or more reference waveforms per 8 MB									

USB Flash Drive	
Setups w/o USB Flash Drive	10 front panel setups
Setups with USB Flash Drive	4000 or more front panel setups per 8 MB
Screen Images with USB Flash Drive	128 or more screen images per 8 MB (the number of images depends on file format selected)
Save All with USB Flash Drive	12 or more Save All operations per 8 MB. A single Save All operation creates 3 to 9 files (setup, image, plus one file for each displayed waveform)

Included Standard Accessories

P2220 - 200 MHz 10x - 1x Switchable Passive Probes (one per channel).

Power Cord - (Please specify plug option).

NIM/NIST - Traceable Certificate of Calibration.

Documentation - User Manual (Please specify preferred language option).

OpenChoice PC Communications Software - Enables fast and easy communication between a Windows PC and the TDS1000B and TDS2000B Series via USB. Transfer and save settings, waveforms, measurements and screen images.

National Instruments SignalExpress Tektronix Edition Interactive Measurement Software - Base Version - A fully interactive measurement software environment optimized for the TDS1000B and TDS2000B Series. Enables you to instantly acquire, generate, analyze, compare, import, and save measurement data and signals using intuitive drag-and-drop user interface that does not require any programming. Standard TDS1000B and TDS2000B Series support for acquiring, controlling, viewing and exporting your live signal. A 30-day trial period of the Professional Version provides additional signal processing, advance analysis, mixed signal, sweeping, limit testing and user-defined step capabilities. Order SIGEXPTE for permanent Professional Version capability.

Limited Lifetime Warranty *¹ covering labor and parts for defects in materials and workmanship for a minimum of 10 years, excluding probes and accessories*³.

*¹ Lifetime is defined as five years after Tektronix discontinues manufacturing the product, but the warranty length shall be at least ten years from date of original purchase. Lifetime warranty is non-transferable, proof of original purchase is required. Limitations apply.

*² Bandwidth is 20 MHz at 2 mV/div, all models

*³ Probes and accessories are not covered by the oscilloscope warranty and Service Offerings. Refer to the datasheet of each probe and accessory model for its unique warranty and calibration terms.

info@logicbus.com.mx

www.logicbus.com.mx

Alcalde # 1822 Col. Miraflores C.P. 44270 Guadalajara, Jal.
MX 01 (33) 3854-5975 y 3823-4349 USA 001 (619)- 884-94-93 (San Diego, CA. Office)