

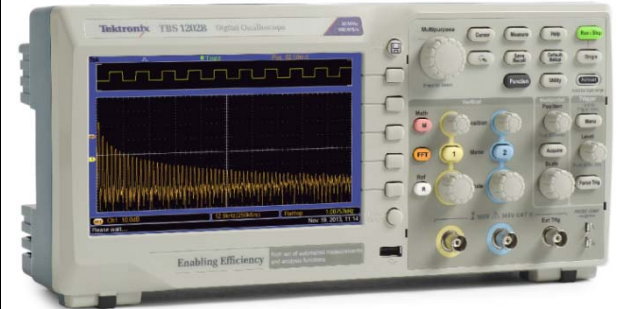
TBS1000B Series Oscilloscopes—Commercial models

Rich set of automated measurements and analysis functions

Product Fact Sheet



Enabling Efficiency



Features	Benefits
Unique TrendPlot™ feature	Capture and monitor small changes in measurements over long time periods.
Enhanced limit-test feature	Users can define pass/fail masks for complex signals based on specifying up to two independent waveform envelopes.
Built-in analysis tools	Simplify analysis of your device with 34 automated measurements, FFT analysis, waveform math, cursors, frequency counter, Pass/Fail testing and data logging.
Digital real-time sampling	Accurately capture signals with at least 10X over-sampling on all channels, all the time with Tektronix proprietary sampling technology.
7 inch WVGA display	800X480 resolution with wide viewing angle, supports backlight intensity adjustments.
Dual-channel frequency counter	The only entry level scope with a dual-channel, HW-based frequency counter, showing measurements on both channels simultaneously on a dedicated large character display.
Data Logging	Save triggered and time stamped waveforms to a USB memory device over long periods of time.
P2220 option	Customers who need 1X attenuation probes can use this option to change the standard 10X probe to the P2220 10X/1X probe.
Documentation CD	Includes user manuals, programmer and service manuals, accessory manuals.
5-year warranty	Reduce your total cost of ownership with the standard 5-year warranty.

Featuring:

- 50 MHz to 200 MHz models
- 2 analog channels
- Up to 2 GS/s sample rate on all channels
- 2.5 k standard record length on all channels
- Advanced triggering
- “Zoom” function shows 10 times more signal details than the normal view
- 34 automated measurements
- Autoset button
- FFT function standard on all models
- Context-sensitive help menu
- Front panel USB host port for data storage
- Rear panel USB device port for PC connectivity
- Documentation CD included
- Rubberized footing increases stability
- 5-Year Warranty

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Key specifications and ordering information

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Models	Channels	Bandwidth	Display	Record Length (All Channels)	Sample Rate (All Channels)
TBS1052B	2	50 MHz	7 inch WVGA	2.5 k	1.0 GS/s
TBS1072B	2	70 MHz	7 inch WVGA	2.5 k	1.0 GS/s
TBS1102B	2	100 MHz	7 inch WVGA	2.5 k	2.0 GS/s
TBS1152B	2	150 MHz	7 inch WVGA	2.5 k	2.0 GS/s
TBS1202B	2	200 MHz	7 inch WVGA	2.5 k	2.0 GS/s

Recommended Probes and Accessories	
Passive Voltage Probes	
TPP0051	50 MHz, 10X, 300V
TPP0101	100 MHz, 10X, 300V
TPP0201	200 MHz, 10X, 300V
P2220	200 MHz, 1X/10X, 150V/300V
High Voltage Probes	
P6015A	1000X high-voltage passive probe (75 MHz)
P5100A	100X high-voltage passive probe (500 MHz)
P5200A	50 MHz, 50X/500X high-voltage differential probe
Current Probes	
P6021A	60 MHz, 15A AC
P6022	120 MHz, 6 A AC
A621	5 to 50 kHz, 2000 A AC
A622	100 kHz, 100 A AC/DC
Accessories	
AC2100	Soft Carrying Case
HCTEK4321	Hard Plastic Carrying Case (requires AC2100)
TEK-USB-488	GPIB to USB converter
RM2000B	Rackmount Kit
174-4401-XX	USB Host to Device Cable, 3ft long

Key Applications	Benefits
Design and Debug	<ul style="list-style-type: none"> Accurately visualize your signals with the built-in TrendPlot™ function, Data Logging and Tektronix proprietary digital real-time sampling
Manufacturing Test and Quality Control	<ul style="list-style-type: none"> Increase your productivity with the easy-to-use interface, built-in limit testing and PC connectivity
Service and Repair	<ul style="list-style-type: none"> Easy to transport in the field with the compact, lightweight design

Standard Probes and Accessories
<ul style="list-style-type: none"> One TPP0051 50 MHz per channel, 10X Passive Probes (with 50 MHz models) One TPP0101 100 MHz per channel, 10X Passive Probes (with 70 MHz and 100MHz models) One TPP0201 200 MHz per channel, 10X Passive Probes (with 150MHz and 200MHz models) CD with customer documentation Power Cord Calibration Certificate, Installation and safety manual 5-year Warranty

