

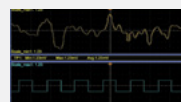


TBS1000B Series

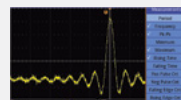
More features, more scope; the TBS1000B is in a class all on its own. With up to 200 MHz bandwidth, 34 automated measurements, limit testing, data logging, dual-channel frequency counters, waveform trending and sample rates of up to 2 GS/s, the TBS1000B Series is designed for extensive monitoring and analysis activities. It can handle everyday test challenges without challenging your budget.

PRODUCT HIGHLIGHTS

- Two channel instruments
- Extensive monitoring capability using TrendPlot™ testing
- Pass/Fail analysis with built in waveform limit testing
- Automated data logging feature
- Up to 2 GS/s sample rate on all channels
- Dual-channel frequency counters
- Front-panel USB host port and rear-panel USB device port
- TekSmartLab™ supported



Use the TrendPlot™ function to evaluate signal behavior over extended time periods.



Thoroughly analyze your waveforms with convenient math tools and 34 automated measurements.

MODELS	ANALOG CHANNELS	ANALOG BANDWIDTH	ANALOG SAMPLE RATE (PER CHANNEL)
TBS1032B*	2	30 MHz	500 MS/s
TBS1052B	2	50 MHz	1 GS/s
TBS1072B	2	70 MHz	1 GS/s
TBS1102B	2	100 MHz	2 GS/s
TBS1152B	2	150 MHz	2 GS/s
TBS1202B	2	200 MHz	2 GS/s

*Available only for North America and Europe.

RECOMMENDED PROBES

Passive Voltage Probes

TPP0201	10X, 200 MHz, 300 V CAT II
TPP0101	10X, 100 MHz, 300 V CAT II
TPP0051	10X, 50 MHz, 300 V CAT II
P2220	10X/1X, 200 MHz/6 MHz, 300 V CAT II/150 V CAT II

High Voltage Probes

P5200A	500X/50X, 50 MHz, ± 1300 V/± 130 V
P5100A	100X, 500 MHz, 2500 V Peak
P6015A	1000X, 75 MHz, 20 kV Peak

RECOMMENDED PROBES

Current Probes

P6021A	60 MHz, 10.6 A RMS/250 A Peak/10 mA Min
P6022	120 MHz, 4 A RMS/100 A Peak/1 mA Min
A621	5 Hz to 50 kHz, 1000 A RMS/2000 A Peak/10 mA Min
A622	100 kHz, 100 A DC/71 A RMS/100 A Peak/10 mA Min

RECOMMENDED ACCESSORIES

TEK-USB-488	GPIO-to-USB converter
AC2100	Soft Carrying Case

ANOTHER PRODUCT FOR CONSIDERATION

Need an oscilloscope that simplifies the way you distribute lab work to students? The TBS1000B-EDU models have many of the same features and include integrated courseware capabilities.

SHIPS WITH PRODUCT

- Two TPP0xx1 200 MHz, 100 MHz or 50 MHz Passive Probes
- Certificate of Calibration
- CD with Customer Documentation
- Installation & Safety Manual
- Power Cord
- 5-year Warranty

LEARN WHY

The TBS1000B or TDS2000C instrument can be your most reliable and cost effective scope. Download "Reliability by Design" Technical Brief.



TBS1000B-EDU Series

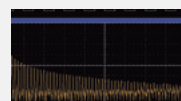
Meet the world's first dedicated teaching oscilloscope: the TBS1000B-EDU. Not only does it deliver the performance you expect to see in a Tektronix scope, it comes with an innovative course-ware feature that allows students to review lab material, follow step-by-step instructions and document results, all on the oscilloscope. We couldn't make engineering easier, so we made it easier to teach and learn.

PRODUCT HIGHLIGHTS

- Two-channel instruments
- Integrated courseware feature—perform labs directly on the oscilloscope
- Autoset enable/disable capability
- Included PC editor tool for easy lab creation
- Up to 2 GS/s sample rate on all channels
- Dual-channel frequency counters
- 34 automated measurements and FFT analysis
- TekSmartLab™ supported



The Courseware Resource Center is an interactive, multi-lingual website where educators can share lab material and ideas.



The FFT function can show both frequency and time domain waveforms simultaneously.

MODELS	ANALOG CHANNELS	ANALOG BANDWIDTH	ANALOG SAMPLE RATE (PER CHANNEL)
TBS1052B-EDU	2	50 MHz	1 GS/s
TBS1072B-EDU	2	70 MHz	1 GS/s
TBS1102B-EDU	2	100 MHz	2 GS/s
TBS1152B-EDU	2	150 MHz	2 GS/s
TBS1202B-EDU	2	200 MHz	2 GS/s

RECOMMENDED PROBES

Passive Voltage Probes

TPP0201	10X, 200 MHz, 300 V CAT II
TPP0101	10X, 100 MHz, 300 V CAT II
TPP0051	10X, 50 MHz, 300 V CAT II
P2220	10X/1X, 200 MHz/6 MHz, 300 V CAT II/150 V CAT II

High Voltage Probes

P5200A	500X/50X, 50 MHz, ± 1300 V/± 130 V
P5100A	100X, 500 MHz, 2500 V Peak
P6015A	1000X, 75 MHz, 20 kV Peak

RECOMMENDED PROBES

Current Probes

P6021A	60 MHz, 10.6 A RMS/250 A Peak/10 mA Min
P6022	120 MHz, 4 A RMS/100 A Peak/1 mA Min
A621	5 Hz to 50 kHz, 1000 A RMS/2000 A Peak/10 mA Min
A622	100 kHz, 100 A DC/71 A RMS/100 A Peak/10 mA Min

RECOMMENDED ACCESSORIES

TEK-USB-488	GPIO-to-USB converter
AC2100	Soft Carrying Case

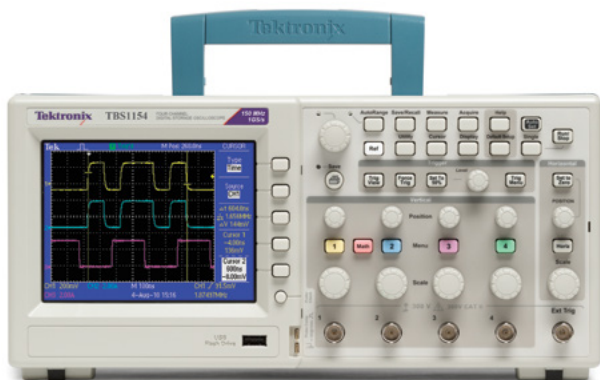
ANOTHER PRODUCT FOR CONSIDERATION

Need more analysis features? The TBS1000B models offer the same great performance and include Trendplot™, data logging and limit test capability.

SHIPS WITH PRODUCT

- Two TPP0xx1 200 MHz, 100 MHz or 50 MHz, Passive Probes
- Certificate of Calibration
- CD with Customer Documentation
- Education CD with Course Editor SW and Lab Examples
- Installation & Safety Manual
- Power Cord
- 5-year Warranty

HELP STUDENTS master the use of an oscilloscope with the included courseware software and labs. Click here to learn more.

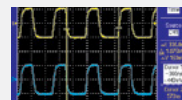


TBS1000 Series

Usually, entry-level instruments are as light in features as they are in price. But Tektronix TBS1000 Series aren't usual instruments. Ideal for students, hobbyists or any person or organization on a tight budget, TBS1000 Series oscilloscopes deliver outstanding performance, including best-in-class digital real-time sampling, pass/fail testing, and familiar, easy-to-use controls. All at a price that's equally impressive.

PRODUCT HIGHLIGHTS

- Four-channel instruments
- 1 GS/s sample rate on all channels
- 7-inch WVGA high-res display
- 16 automated measurements, and FFT analysis
- Built-in waveform limit testing
- Built-in help system and probe check wizard
- Front-panel USB host port and rear-panel USB device port
- TekSmartLab™ supported



Accurately capture signals with at least 10X oversampling on all channels with Digital Real-Time Sampling technology.



Quickly store and transfer your waveforms and settings with the front panel USB port.

MODELS	ANALOG CHANNELS	ANALOG BANDWIDTH	ANALOG SAMPLE RATE (PER CHANNEL)
TBS1064	4	60 MHz	1 GS/s
TBS1104	4	100 MHz	1 GS/s
TBS1154	4	150 MHz	1 GS/s

RECOMMENDED PROBES

Passive Voltage Probes

TPP0201	10X, 200 MHz, 300 V CAT II
TPP0101	10X, 100 MHz, 300 V CAT II
P2220	10X/1X, 200 MHz/6 MHz, 300 V CAT II/150 V CAT II

High Voltage Probes

P5200A	500X/50X, 50 MHz, ±1300 V/±130 V
P5100A	100X, 500 MHz, 2500 V Peak
P6015A	1000X, 75 MHz, 20 kV Peak

RECOMMENDED PROBES

Current Probes

P6021A	60 MHz, 10.6 A RMS/250 A Peak/10 mA Min
P6022	120 MHz, 4 A RMS/100 A Peak/1 mA Min
A621	5 Hz to 50 kHz, 1000 A RMS/2000 A Peak/10 mA Min
A622	100 kHz, 100 A DC/71 A RMS/100 A Peak/10 mA Min
TCP2020	50 MHz, 20 A DC/20 A RMS/100 A Peak/10 mA Min

RECOMMENDED ACCESSORIES

1103	TEKPROBE Power Supply
AC2100	Soft Carrying Case

ANOTHER PRODUCT FOR CONSIDERATION

Need a Lifetime Warranty? The TDS2000C Series offers the same great performance as the TBS1000 and includes a Lifetime Warranty.

SHIPS WITH PRODUCT

- Four TPP0x01 100 MHz or 200 MHz, 10X Passive Probes
- OpenChoice® Desktop Software
- Educator Classroom and Lab Resource CD
- Calibration Certificate, Quick Reference Manual, & Documentation on CD
- Power Cord
- 5-year Warranty

LEARN HOW

to capture your signals accurately.
Download the Technical Brief "Be Sure to Capture the Complete Picture."



TBS2000 Series

When you see more signal, you find anomalies faster. With an impressive 9-in. WVGA display and 15 horizontal divisions—the most in its class—the TBS2000 not only helps you see the big picture, it gives you a clearer picture. Plus a 20-million point record length lets you easily capture long time windows. The TBS2000 also includes courseware support for education labs.

PRODUCT HIGHLIGHTS

- 9-inch WVGA display with 15 horizontal divisions
- Long 20M record length
- 32 automated measurements with gating
- TekVPI® Probe Interface allows you to use latest-generation active voltage and current probes



A large, 9-inch display, with 15 horizontal divisions lets you see more of your signal.



Select any of the 32 available measurements from a single screen, with helpful tips on each.

MODELS	ANALOG CHANNELS	ANALOG BANDWIDTH	ANALOG SAMPLE RATE (PER CHANNEL)
TBS2072	2	70 MHz	1 GS/s
TBS2102	2	100 MHz	1 GS/s
TBS2074	4	70 MHz	1 GS/s
TBS2104	4	100 MHz	1 GS/s

RECOMMENDED PROBES

Passive Voltage Probes

TPP0100	100 MHz, 10X Passive Voltage Probe
P2221	1X/10X, 200 MHz Passive Voltage Probe

Differential Voltage Probes

TDP0500	500 MHz TekVPI® differential voltage probe with ± 42 V differential input voltage
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High Voltage Probes

P5100A	± 2.5 kV, 500 MHz, 100X high-voltage passive probe
THDP0200	± 1.5 kV 200 MHz high-voltage differential probe
THDP0100	± 6 kV 100 MHz high-voltage differential probe

RECOMMENDED PROBES

Current Probes

TCP0020	50 MHz TekVPI® 20 Ampere AC/DC current probe
TCP0030A	120 MHz TekVPI 30 Ampere AC/DC current probe
TCP0150	20 MHz TekVPI 150 Ampere AC/DC current probe

RECOMMENDED ACCESSORIES

TPA-BNC	TekVPI to TekProbe® BNC adapter
ACD2000	Soft transit case, for TBS2072 and TBS2102
ACD4000	Soft transit case, for TBS2074 and TBS2104
TEK-USB-WIFI	USB Wi-Fi 2 dongle for TBS2000 series only

SHIPS WITH PRODUCT

- TPP0100 100 MHz, 10x passive probe (one per analog channel)
- Documentation CD
- Installation and safety manual
- Programmer manual, available on documentation CD and on Tek Web
- Power Cord
- Calibration certificate documenting traceability to National Metrology Institute(s) and ISO9001 quality system registration

LEARN MORE with "The Anatomy of Digital Oscilloscopes" poster that shows many of parts that work together in an oscilloscope. It includes a block diagram of a scope's signal path to show you what happens between the signal input and the display.

