

# Tektronix TDS Oscilloscope Family

TDS3000C ● TDS2000B ● TDS1000B

Performance you need at a price you can afford



## Key Features and Benefits

### Affordable Performance

The TDS family provides you with basic performance in an affordable package. Bandwidths range from 40 MHz to 500 MHz and come with high sample rates for accurate representation of your signal.

### Easy to Set-up and Use

Why waste time learning and re-learning how to use your oscilloscope? TDS oscilloscopes have simple navigation and dedicated front-panel controls to get you where you want to be quickly, so you spend less time learning and more time on the task at hand.

### Work Where you Need to

TDS oscilloscopes are lightweight and compact for easy transport from lab-to-lab. And if you require even more mobility, the TDS3000C Series comes with up to three hours of portable battery operation\*1.

\*1 Optional.



## Key Specifications

|   |  |
|---|--|
| <b>Bandwidth</b>                        | From 40 MHz to 500 MHz bandwidth models  |
| <b>Channels</b>                         | 2 or 4 channels  |
| <b>Record Length</b>                    | 2.5 k to 10 k standard on all channels   |
| <b>Sample Rate</b>                      | 500 MS/s to 5 GS/s on all channels   |
| <b>PC Connectivity and Data Storage</b> | <ul style="list-style-type: none"> <li>▪ Front panel USB port</li> <li>▪ PC connectivity software</li> </ul>   |
| <b>Additional</b>                       | <ul style="list-style-type: none"> <li>▪ Lightweight design for easy transport from lab-to-lab</li> <li>▪ Optional battery operation (TDS3000C)</li> </ul> |

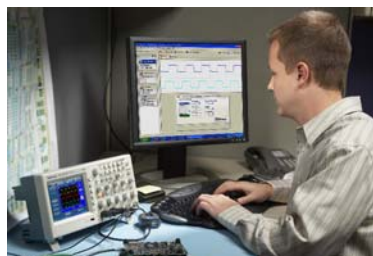


## Need Isolated Channels?

**TPS2000 Series oscilloscopes** provide up to four fully isolated channels allowing you to make safe, accurate floating measurements. Its compact design, with backlit controls and up to eight hours of continuous battery operation, make it the ideal instrument for engineers who can't be tied down to a bench.



Easily store and transfer waveforms and measurement data to USB.



Document and analyze information on your PC.



Lightweight design for easy transport from lab-to-lab.

## Ordering Information

|                              | Model    | Channels     | Bandwidth | Record Length | Sample Rate (ALL Channels) | More Information          |
|------------------------------|----------|--------------|-----------|---------------|----------------------------|---------------------------|
| TDS3000C Series              | TDS3054C | 4            | 500 MHz   | 10 k          | 5.0 GS/s                   | www.tektronix.com/tds3000 |
|                              | TDS3052C | 2            | 500 MHz   | 10 k          | 5.0 GS/s                   |                           |
|                              | TDS3034C | 4            | 300 MHz   | 10 k          | 2.5 GS/s                   |                           |
|                              | TDS3032C | 2            | 300 MHz   | 10 k          | 2.5 GS/s                   |                           |
|                              | TDS3014C | 4            | 100 MHz   | 10 k          | 1.25 GS/s                  |                           |
|                              | TDS3012C | 2            | 100 MHz   | 10 k          | 1.25 GS/s                  |                           |
| TDS1000B and TDS2000B Series | TDS2024B | 4            | 200 MHz   | 2.5 k         | 2.0 GS/s                   | www.tektronix.com/tds2000 |
|                              | TDS2022B | 4            | 200 MHz   | 2.5 k         | 2.0 GS/s                   |                           |
|                              | TDS2014B | 4            | 100 MHz   | 2.5 k         | 1.0 GS/s                   |                           |
|                              | TDS2012B | 4            | 100 MHz   | 2.5 k         | 1.0 GS/s                   |                           |
|                              | TDS2004B | 4            | 60 MHz    | 2.5 k         | 1.0 GS/s                   |                           |
|                              | TDS2002B | 4            | 60 MHz    | 2.5 k         | 1.0 GS/s                   |                           |
|                              | TDS1012B | 2            | 100 MHz   | 2.5 k         | 1.0 GS/s                   |                           |
|                              | TDS1002B | 2            | 60 MHz    | 2.5 k         | 1.0 GS/s                   |                           |
| TPS2000 Series               | TPS2024  | 4 (Isolated) | 200 MHz   | 2.5 k         | 2.0 GS/s                   | www.tektronix.com/tps2000 |
|                              | TPS2014  | 4 (Isolated) | 100 MHz   | 2.5 k         | 1.0 GS/s                   |                           |
|                              | TPS2012  | 2 (Isolated) | 100 MHz   | 2.5 k         | 1.0 GS/s                   |                           |

### TDS3000C Series Application Modules

**TDS3AAM** – Advanced Analysis Module.  
**TDS3LIN** – Limit Testing Module.  
**TDS3TMT** – Telecommunication Mask Testing Module.

**TDS3VID** – Extended Video Editing Module.  
**TDS3SDI** – 601 Serial Digital Video Module.

*For a complete list of modules, probes and accessories, please refer to the product datasheet or see **More Information URL**.*



## TDS Family Oscilloscopes

### Basic Performance in an Affordable Package

- 40 MHz to 500 MHz bandwidth models.
- 2 or 4 channels.
- 500 MS/s to 5 GS/s sample rate on all channels (depending on model).
- 2.5 k to 10 k standard record length on all channels (depending on model).

### Easy Set-up and Use

- Simple navigation.
- Dedicated front panel controls.
- USB flash drive and PC connectivity for easy transfer and documentation of information.

### Work Where you Need to

- Lightweight design for easy transport from lab-to-lab.
- Battery operation\*1.
- Small footprint frees up valuable bench-top space.

\*1 Optional on TDS3000C Series. TPS2000 Series comes standard with one battery.

3GW-21369-0