# TPS2000 Series Oscilloscopes Fact Sheet

## Powerful productivity from bench to field

![Oscilloscope Image](image)

**Features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 MHz and 200 MHz models</td>
<td>Safely and easily make 4-channel floating measurements, including 3-phase power measurements.</td>
</tr>
<tr>
<td>2 or 4 isolated analog channels</td>
<td>Accurately capture signals with at least 5X over-sampling on all channels, all the time.</td>
</tr>
<tr>
<td>2.5 k standard record length on all channels</td>
<td>Spend less time learning and more time on your task with easy-to-use front-panel controls.</td>
</tr>
<tr>
<td>Up to 2 GS/s sample rate on all channels</td>
<td>Quickly store and transfer your waveforms.</td>
</tr>
<tr>
<td>Advanced triggering</td>
<td>Work where you need to with up to 8 hours of continuous battery operation*.</td>
</tr>
<tr>
<td>11 automatic measurements</td>
<td>Easily transport from lab-to-lab or into the field with the lightweight and compact design.</td>
</tr>
<tr>
<td>FFT function standard on all models</td>
<td>Quickly make automatic measurements of real and apparent power, phase angle measurements, harmonics, and switching loss.</td>
</tr>
<tr>
<td>Front-panel CompactFlash™ port</td>
<td>Power measurement and analysis application module (optional)</td>
</tr>
<tr>
<td>Hot-Swappable battery pack</td>
<td><strong>Benefits</strong></td>
</tr>
<tr>
<td>Just 6 lbs (2.7 kg)</td>
<td>Designed to make your work easier</td>
</tr>
</tbody>
</table>

* Comes standard with 1 battery. Each battery provides 4 hours of operation.

**Designed to make your work easier**

- Quickly correlate your measurements between bench, lab and field

- Featuring:
  - 100 MHz and 200 MHz models
  - 2 or 4 isolated analog channels
  - 2.5 k standard record length on all channels
  - Up to 2 GS/s sample rate on all channels
  - Advanced triggering
  - 11 automatic measurements
  - FFT function standard on all models
  - Front-panel CompactFlash™ port for data storage
  - Lightweight and portable
  - Optional power measurement and analysis module
  - 3 year warranty

TPS2000 Series Oscilloscopes Fact Sheet
Key specifications and ordering information

<table>
<thead>
<tr>
<th>Models</th>
<th>Analog Channels</th>
<th>Bandwidth</th>
<th>Record Length All channels</th>
<th>Sample Rate All channels</th>
<th>Pricing</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPS2012</td>
<td>2</td>
<td>100 MHz</td>
<td>2.5 k</td>
<td>1.0 GS/s</td>
<td>$2,890</td>
</tr>
<tr>
<td>TPS2014</td>
<td>4</td>
<td>100 MHz</td>
<td>2.5 k</td>
<td>1.0 GS/s</td>
<td>$3,190</td>
</tr>
<tr>
<td>TPS2024</td>
<td>4</td>
<td>200 MHz</td>
<td>2.5 k</td>
<td>2.0 GS/s</td>
<td>$3,490</td>
</tr>
</tbody>
</table>

**Standard Probes and Accessories**
- One P2220 200 MHz, 10X Passive Probe Per Channel
- OpenChoice® Desktop Software
- AC Adapter with Power Cord
- Front Cover
- One Lithium Battery
- Calibration Certificate, Quick Reference Manual, & Documentation on CD

**Application Modules and Accessories**
- TPS2PWR1 – Power Measurement and Analysis. $510
- TPS2PBND – TPS2PWR1 Application Module and Four P5120 High-Voltage Passive Probes. $1,690
- TPSBAT – Lithium-Ion Battery Pack (one included standard with instrument). $240
- TPSCHG – External Battery Charger. $418

**Recommended Probes and Services**
- P5120 20X, 200 MHz, 1000 V Passive, High-Voltage Probe. $420
- A621 2000 A, 5 to 50 kHz AC Current Probe. $525
- A622 100 A, 100 kHz AC/DC Current Probe.. $525
- P6021 15 A, 60 MHz AC Current Probe. $1,300
- Opt. R5 5 Year Repair Service Plan. varies
- Opt. C3 5 Year Calibration Service Plan. $260
- Opt. C5 5 Year Calibration Service Plan $490

**Key Applications**
- Design and debug of electronic systems
- Industrial power design and debug
- Installation and maintenance
- Save measurement time and test equipment cost by using a single instrument to make floating and grounded measurements simultaneously on each of four channels.
- Make three-phase power, and multi-channel floating and grounded measurements simultaneously.
- Verify and document power system operating conditions before and after installation.

www.tektronix.com/tps2000