<table>
<thead>
<tr>
<th>Channels</th>
<th>Bandwidth</th>
<th>Rise Time (10% - 90%)</th>
<th>Sample Rate</th>
<th>Oscilloscope Type</th>
<th>Record Length</th>
<th>Trigger Types</th>
<th>Connectivity</th>
<th>Waveform Math and Analysis</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDS5000B Series</td>
<td>2, 4</td>
<td>350 MHz to 1 GHz</td>
<td>1.15 ns to 300 ps</td>
<td>5 GS/s</td>
<td>DPO/DPX up to 100,000 wfms/s</td>
<td>16 MB</td>
<td>Edge • Logic (Pattern, State, Setup/Hold) • Pulse (Edge, Width, Runt, Timeout, Transition) • Comm • Video • Window • Trigger Delay by Time/Events</td>
<td>Extended</td>
<td>Extended</td>
</tr>
<tr>
<td>TDS6000B Series</td>
<td>4</td>
<td>6 GHz to 8 GHz</td>
<td>50 ps, 35 ps</td>
<td>20 GS/s on 4 DSO</td>
<td>32 MB</td>
<td>Peazz™ Triggering • Edge • Logic (Pattern, State, Setup/Hold) • Pulse (Edge, Width, Runt, Timeout, Transition) • Comm • Serial Pattern</td>
<td>Extended</td>
<td>Extended</td>
<td></td>
</tr>
<tr>
<td>TDS7000B Series</td>
<td>4</td>
<td>500 MHz to 7 GHz</td>
<td>800 ps to 62 ps</td>
<td>5 GS/s to 20 GS/s</td>
<td>DPO/DPX more than 400,000 wfms/s</td>
<td>64 MB</td>
<td>Edge • Logic (Pattern, State, Setup/Hold) • Pulse (Edge, Width, Runt, Timeout, Transition) • Comm • Serial Pattern</td>
<td>Extended</td>
<td>Extended</td>
</tr>
<tr>
<td>TDS8000B Series</td>
<td>Up to 8</td>
<td>70+ GHz</td>
<td>5.0 ps</td>
<td>200 kS/s (Sequential) Sampling</td>
<td>4 kB</td>
<td>Edge • Internal Clock • Clock Recovery</td>
<td>Extended</td>
<td>Extended</td>
<td></td>
</tr>
<tr>
<td>CSA7000B Series</td>
<td>4</td>
<td>1.5 GHz, 4 GHz</td>
<td>240 ps, 100 ps</td>
<td>20 GS/s</td>
<td>DPO/DPX more than 400,000 wfms/s</td>
<td>64 MB</td>
<td>Edge • Logic (Pattern, State, Setup/Hold) • Pulse (Edge, Width, Runt, Timeout, Transition)</td>
<td>Extended</td>
<td>Extended</td>
</tr>
<tr>
<td>CSA9000B Series</td>
<td>Up to 8</td>
<td>70+ GHz</td>
<td>5.0 ps</td>
<td>200 kS/s (Sequential) Sampling</td>
<td>4 kB</td>
<td>Edge • Internal Clock • Clock Recovery</td>
<td>Extended</td>
<td>Extended</td>
<td></td>
</tr>
</tbody>
</table>

Specifications may vary based on the model selected within the products listed above.

Connectivity
Advanced – RS-232, Basic, plus GPIB, Centronics, Floppy Disk
Extended – Advanced, plus LAN, Ethernet; May include USB, PCMCIA, CD-ROM, Open access to OpenChoice® platform

Waveform Math and Analysis
Advanced – Advanced waveform math, FFT
Extended – Advanced waveform math, FFT or Spectral, Compatibility with Windows analysis and productivity software

Midrange and High Performance Oscilloscopes
Measurement Productivity
Passive Probes
- P5050 10X, 500 MHz passive probe
- P6101B 1X, 50 MHz passive probe
- P6339A 10X, 500 MHz buffered passive probe
- P8018 1X, 20 GHz passive SMA probe
- P6150 1X/10X, 3 GHz/9 GHz low-capacitance probe
- P6158 20X, 3 GHz low-capacitance probe

Active Probes
- P6205 10X, 750 MHz active probe
- P6241 10X, 4 GHz active probe
- P6243 10X, 1 GHz active probe
- P6245 10X, 1.5 GHz active probe
- P7225 10X, 2.5 GHz active probe
- P7240 5X, 4 GHz active probe
- P7260 5X/25X, 6 GHz active probe

Differential Probes
- P6246 1X/10X, 400 MHz differential probe
- P6247 1X/10X, 1 GHz differential probe
- P6248 1X/10X, 1.5 GHz differential probe
- P6330 5X, 3.5 GHz differential probe
- P7350 6.25X, 5 GHz differential probe
- P7350 5X, 5 GHz differential probe
- P7350 6.25X, 6 GHz differential probe

Current Probes
- AM503S 500 A DC, 100 MHz current probe system
- TCP300/400 DC, 700 MHz current probe system
- CT1 A, 5 A 300 MHz current probe
- CT4 5 A 1 GHz current probe
- CT6 35 A 200 kHz current probe
- P6022 2 A 120 MHz current probe
- TCP02 15 A DC, 50 MHz current probe

High-voltage Probes
- P5100 100X, 250 MHz, high-voltage, single-ended probe
- P6015A 100X, 250 MHz, high-voltage, single-ended probe
- P6025 50X/50X, 100 MHz, high-voltage, single-ended probe
- P5100 100X/100X, 50 MHz, high-voltage, single-ended probe

Optical Sampling (10 Gb/s) Module

<table>
<thead>
<tr>
<th>Standards Supported</th>
<th>Features</th>
<th>Fiber Type (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>80C08C 10Gc 10GFC SONET/SDH</td>
<td>* Multi-rate with 10GbE Forward Error Correction * High Sensitivity, Continuous Clock Recovery available</td>
<td>700 to 1550 MM/MM</td>
</tr>
</tbody>
</table>

Many other modules are available for standards from 155 Mb/s to 43 Gb/s and bandwidths up to 65 GHz.

Electrical Sampling (20 GHz, TDR) Module

<table>
<thead>
<tr>
<th>Bandwidth, TDR Speed</th>
<th>Features</th>
<th>Dynamic Range ($V_p$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>80E04 20 GHz tr &lt; 17.5 ps</td>
<td>* Dual Channel * True Differential TDR</td>
<td>$1V_p$</td>
</tr>
</tbody>
</table>

Many other modules available with bandwidths from 12.5 GHz to 70 GHz.

Complete Probe Solutions

Passive Probes
- P6015A 1000X, 75 MHz, high-voltage, single-ended probe

Low-capacitance Probes
- P6150 1X/10X, 3 GHz/9 GHz low-capacitance probe
- P6158 20X, 3 GHz low-capacitance probe

Active Probes
- P6205 10X, 750 MHz active probe
- P6241 10X, 4 GHz active probe
- P6243 10X, 1 GHz active probe
- P6245 10X, 1.5 GHz active probe
- P7225 10X, 2.5 GHz active probe
- P7240 5X, 4 GHz active probe
- P7260 5X/25X, 6 GHz active probe

Differential Probes
- P6246 1X/10X, 400 MHz differential probe
- P6247 1X/10X, 1 GHz differential probe
- P6248 1X/10X, 1.5 GHz differential probe
- P6330 5X, 3.5 GHz differential probe
- P7350 6.25X, 5 GHz differential probe
- P7350 5X, 5 GHz differential probe
- P7350 6.25X, 6 GHz differential probe

Current Probes
- AM503S 500 A DC, 100 MHz current probe system
- TCP300/400 DC, 700 MHz current probe system
- CT1 A, 5 A 300 MHz current probe
- CT4 5 A 1 GHz current probe
- CT6 35 A 200 kHz current probe
- P6022 2 A 120 MHz current probe
- TCP02 15 A DC, 50 MHz current probe

High-voltage Probes
- P5100 100X, 250 MHz, high-voltage, single-ended probe
- P6015A 100X, 250 MHz, high-voltage, single-ended probe
- P6025 50X/50X, 100 MHz, high-voltage, single-ended probe
- P5100 100X/100X, 50 MHz, high-voltage, single-ended probe

Notes
The following probes, when used with the TDS6000B and TDS/CSA7000B Series oscilloscopes, require the Tektronix TCA-BNC adapter: P6249, P6241, CT1, CT2, CT6, TCP02, AM503S, AM5030S, P6158, P6248, P6150, P6243, P6245.

The following probe, when used with the TDS6000B and TDS/CSA7000B Series oscilloscopes, requires the Tektronix TCA-SMA adapter: P6150.

The following probes, when used with the TDS6000B and TDS/CSA7000B Series oscilloscopes, require the Tektronix TCA-1MEG adapter: P6101B, P6139A, P6021, P6022, P6015A, ADA400A, P5100, P6025, P5100.

*1 Not applicable for TDS7004 and TDS7104.