

# T3DSO1000 Fact Sheet

## Oscilloscopes

## Debug with Confidence

### 100 MHz – 200 MHz



### Key Specifications

Bandwidth	100 MHz, 200 MHz
Channels	2 or 4
Memory	up to 7 Mpts/Ch (14 Mpts interleaved)
Sample Rate	up to 500 MS/s / 1 GS/s interleaved
Display	7" Bright TFT LCD (800 x 480)
Connectivity	USB Host, USB Device, LAN

### Tools for Improved Debugging

- Long Capture** – 7 Mpts/Ch and 14 Mpts interleaved.
  - ✓ Capture more time and show more waveform detail.
- Math and Measure** – 7 basic math functions plus FFT and 38 automatic measurement parameters.
  - ✓ Extract results from waveforms and measurements.
- Connectivity** – USB for mass storage, printing and PC control, plus LAN for fast data transfer.
  - ✓ Save data for external analysis and screen images for reports.
- Serial Bus Trigger and Decode** – I2C, SPI, UART, RS232, CAN, LIN.
  - ✓ Debug serial buses directly in your Oscilloscope.
- Waveform Sequence Recorder** – record and play back up to 80,000 waveforms.
  - ✓ Replay the changing waveform history.
- Optional MSO** – 16 Digital Channels (4 channel series only).
  - ✓ Add mixed signal debugging to your Oscilloscope.

For more information, please contact:

**ADMESS**

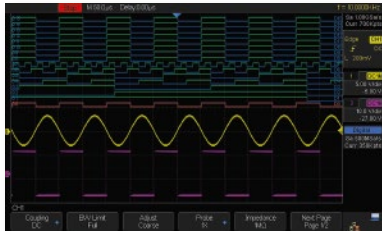
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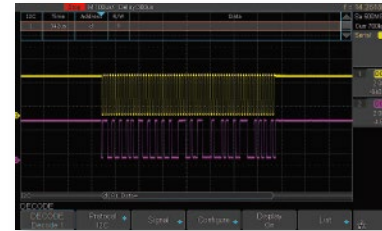
## Oscilloscopes



*Optional MSO – 16 Digital Channels enables users to debug mixed signal applications (4 channel series only).*



*Bode Plot – The T3DSO1000X can control the USB AWG module, to scan an object's amplitude and phase frequency response, and display the data as a Bode Plot.*



*Protocol Trigger and Decode – The T3DSO1000 displays the waveform decoding and events list. Bus protocol information can be quickly and intuitively triggered and displayed.*



### Excellent Performance

- 100 and 200 MHz bandwidths
- 1 GS/s maximum sample rate
- Up to 7 Mpts/Ch memory, 14 Mpts interleaved

### Great Connectivity

- USB host port for mass storage
- USB device port for printing and PC control
- LAN port on all T3DSO1000 oscilloscopes

### Smart Capabilities

- Averaging, Peak Detect and Equivalent Time
- Advanced Triggering
- Measurement Statistics
- Built-in Help
- Multi-Language User Interface

### Ordering Information

Model	Bandwidth	Channel	Memory (per Ch / interleaved)	Sample Rate (per Ch / interleaved)
T3DSO1102	100 MHz	2	7 Mpts / 14 Mpts	500 MS/s / 1 GS/s
T3DSO1104	100 MHz	4	7 Mpts / 14 Mpts	500 MS/s / 1 GS/s
T3DSO1202	200 MHz	2	7 Mpts / 14 Mpts	500 MS/s / 1 GS/s
T3DSO1204	200 MHz	4	7 Mpts / 14 Mpts	500 MS/s / 1 GS/s

Standard Configuration	Recommended Probes
<ul style="list-style-type: none"> <li>• One passive probe per channel</li> <li>• Getting Started Manual</li> <li>• USB Cable</li> <li>• Calibration and Performance Verification Certificate</li> <li>• Multi-language User Interface</li> <li>• Power Cord</li> </ul>	<p><b>Differential Voltage</b></p> <p><b>T3DP1500</b> 1500 V, 100 MHz High-Voltage Differential Probe, /50, /500.</p> <p><b>T3DP7000</b> 7000 V, 100 MHz High-Voltage Differential Probe, /100, /1000.</p> <p><b>T3HVP100</b> 10 kV, 40 MHz High-Voltage Probe, /1000.</p> <p><b>Current</b></p> <p><b>T3CP50</b> 50 MHz, 30 A rms continuous, 50 A peak.</p>

Full list of Optional Accessories can be found in the Data Sheet