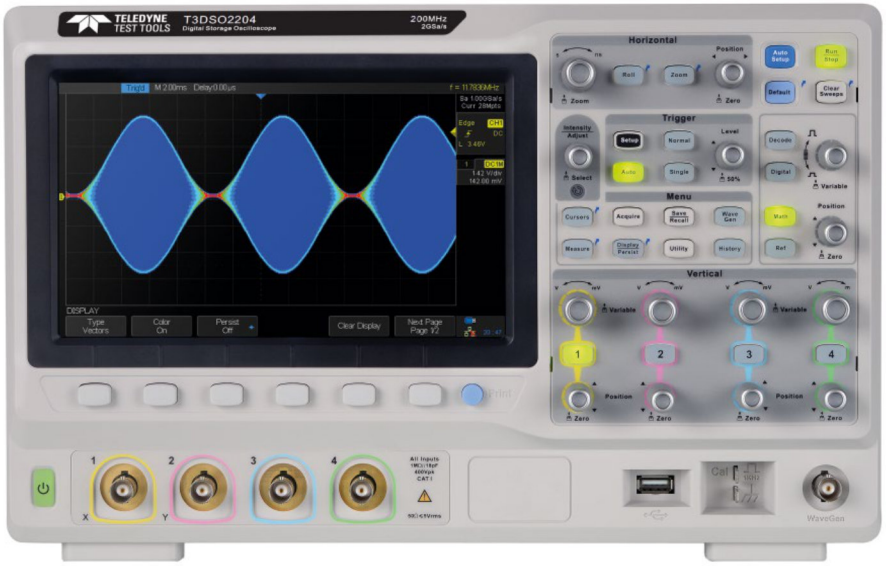
T3DSO2000 Fact Sheet

Oscilloscopes

TELEDYNE TEST TOOLS
Everywhereyoulook™

Debug with Confidence

100 MHz – 300 MHz



Key Specifications

Bandwidth	100 MHz, 200 MHz, 300 MHz
Channels	2 or 4, 50 Ohm / 1 MOhm Input Impendence
Memory	up to 70 Mpts/Ch (140 Mpts interleaved)
Sample Rate	up to 2 GS/s
Display	8” Bright TFT LCD (800 x 480)
Connectivity	USB Host, USB Device, LAN

Tools for Improved Debugging

• Long Capture – 70 Mpts/Ch and 140 Mpts interleaved.	✓ Capture more time and show more waveform detail.
• Math and Measure – 7 basic math functions plus FFT and 37 automatic measurement parameters.	✓ Extract results from waveforms and measurements.
• Low Noise Architecture – Supports channel sensitivity as low as 1 mV / Div.	✓ Clearly view small waveforms in detail.
• Bandwidth Models to 300 MHz – Choice of 100 MHz, 200 MHz or 300 MHz models.	✓ Choose the bandwidth you need with 2 or 4 channels.
• Waveform Sequence Recorder – record and play back up to 80,000 waveforms.	✓ Replay the changing waveform history.
• Low cost system enhancement options – Optional MSO (16 Digital Channels), Serial Bus Decoders, and Arbitrary/ Function Generator.	✓ Customize your oscilloscope to your application and needs by adding low cost options.
• 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.
• 3 Years Warranty as standard.	✓ Peace on mind.

For more information, please contact:

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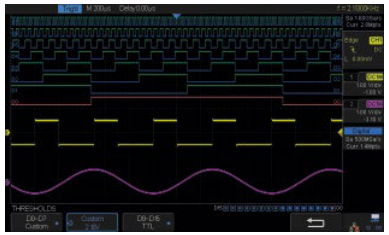

Optional MSO – 16 Digital Channels with colour coded display enables users to more intuitively debug mixed signal applications.

Enhanced Resolution (Eres) mode can improve the SNR without needing a repetitive waveform. Extra resolution bits can be added 0.5 bits at a time up to +3 bits.

Optional Protocol Trigger and Decode – The T3DSO2000 displays the waveform decoding and events list. Bus protocol information can be quickly and intuitively triggered and displayed.

Ordering Information

Model	Bandwidth	Channel	Memory (per Ch/interleaved)	Sample Rate (per Ch/interleaved)
T3DSO2102	100 MHz	2	70 Mpts / 140 Mpts	1 GS/s / 2 GS/s
T3DSO2104	100 MHz	4	70 Mpts / 140 Mpts	1 GS/s / 2 GS/s
T3DSO2202	200 MHz	2	70 Mpts / 140 Mpts	1 GS/s / 2 GS/s
T3DSO2204	200 MHz	4	70 Mpts / 140 Mpts	1 GS/s / 2 GS/s
T3DSO2302	300 MHz	2	70 Mpts / 140 Mpts	1 GS/s / 2 GS/s
T3DSO2304	300 MHz	4	70 Mpts / 140 Mpts	1 GS/s / 2 GS/s

Standard Configuration	Standard Configuration	
• One passive probe per channel	• Multi-language User Interface	
• Getting Started Manual	• Power Cord	
• USB Cable	**Available Options** - See Data Sheet for full details.	
• Calibration and Performance	• Optional Protocol Trigger and Decode	T3DSO2000-TD
• Verification Certificate	• Optional Built-in Function/Arbitrary Waveform Generator	T3DSO2000-FG
	• Optional Built-in 16 Channel MSO	T3DSO2000-MSO & T3DSO2000-LS

Excellent Performance

- 100, 200 and 300 MHz bandwidths
- 2 GS/s maximum sample rate
- Up to 70 Mpts/Ch memory, 140 Mpts interleaved

Great Connectivity

- USB host port for mass storage, USB device port for printing and PC control
- LAN port on all T3DSO2000 oscilloscopes

Smart Capabilities

- Averaging, Peak Detect and Enhanced Resolution modes
- Advanced Triggering
- Measurement Statistics
- Optional Protocol Trigger and Decode
- Optional Built-in Function/Arbitrary Waveform Generator
- Optional Built-in 16 Channel MSO
- Multi-Language User Interface and Help