

T3DSO3000 Fact Sheet

Oscilloscopes

Debug with Confidence

200 MHz – 1 GHz



Key Specifications

Bandwidth	200 MHz, 350 MHz, 500 MHz and 1 GHz
Channels	4, 50 Ohm/ 1 MOhm Input Impedence
Memory	up to 125 Mpts/Ch (250 Mpts interleaved)
Sample Rate	up to 5 GS/s
Display	10.1" Bright TFT LCD(1024 x 600) touch screen
Connectivity	USB Host, USB Device, LAN

Tools for Improved Debugging

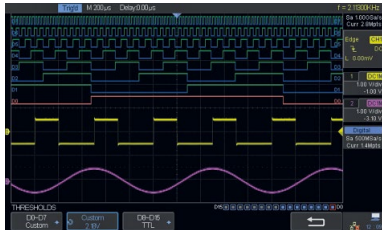
- Long Capture – 125 Mpts/Ch and 250 Mpts interleaved.
✓ Capture more time and show more waveform detail.
- Math and Measure – 9 basic math functions plus FFT and 50+ automatic measurement parameters.
✓ Extract results from waveforms and measurements.
- Low Noise Architecture – Supports channel sensitivity as low as 500 μ V / Div.
✓ Clearly view small waveforms in detail.
- Bandwidth Models to 1 GHz – Choice of 200 MHz, 350 MHz, 500 MHz or 1 GHz models.
✓ Choose the bandwidth you need with 2 or 4 channels.
- Waveform Sequence Recorder – record and play back up to 100,000 waveforms.
✓ Replay the changing waveform history.
- Includes Bode Plot, Power Analysis and common Serial Bus Decoders as standard.
✓ Wide application coverage as standard.
- 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 of mind.

For more information, please contact:



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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.



Includes Serial Bus Trigger and Decode for: I²C, SPI, UART, CAN, LIN, CAN FD, I²S, MIL-1553B, FlexRay, SENT & Manchester decode only.



Excellent Performance

- 200, 350, 500 and 1 GHz bandwidths
- 5 GS/s maximum sample rate
- Up to 125 Mpts/Ch memory, 250 Mpts interleaved

Great Connectivity

- USB host port for mass storage, USB device port for printing and PC control
- LAN port on all T3DSO3000 models

Smart Capabilities

- Averaging, Peak Detect, 10 bit and Enhanced Resolution modes
- Bode Plot and Power Analysis included as standard
- Advanced Triggering including Zone triggering
- Measurement Statistics
- Protocol Trigger and Decode included as standard
- Function/Arbitrary Waveform Generator
- 16 Channel MSO

Ordering Information

Model	Bandwidth	Channel	Memory (per Ch/interleaved)	Sample Rate (per Ch/interleaved)
T3DSO3204	200 MHz	4	125 Mpts / 250 Mpts	2.5 GS/s / 5 GS/s
T3DSO3354	350 MHz	4	125 Mpts / 250 Mpts	2.5 GS/s / 5 GS/s
T3DSO3504	500 MHz	4	125 Mpts / 250 Mpts	2.5 GS/s / 5 GS/s
T3DSO31004	1 GHz	4	125 Mpts / 250 Mpts	2.5 GS/s / 5 GS/s

Standard Configuration	Available Options – See Data Sheet for full details
<ul style="list-style-type: none"> • One passive probe per channel • Getting Started Manual • USB Cable • Certificate of Calibration • Multi-language User Interface • Power Cord 	<ul style="list-style-type: none"> • 16 Channel MSO Probe T3DSO2000-LS • 25 MHz Function/Arbitrary Waveform Module T3DSO1000-FGMOD-A • 500 MHz Passive Probe, 10:1, 10 MOhm PP020-1