T3DSO3000HD Fact Sheet

Digital Oscilloscope

TELEDYNE TEST TOOLS
Everywhereyoulook™

200 MHz – 1 GHz
12-bit High Resolution

Key Specifications

Bandwidth	200 MHz, 350 MHz, 500 MHz and 1GHz Bandwidth models
Channels	4 analog channels + EXT
Memory	400 Mpts/ch interleaving, 200 Mpts/ch non-interleaving.
Sample Rate (Max)	4 GS/s (interleaving mode), 2 GS/s (non-interleaving)
Display	10.1" display with 1024x600 resolution.
External Waveform Generator	Up to 50 MHz

Tools for Improved Debugging

• **12-bit Analog** – Digital Converters with sample rate up to 4 GS/s.	✓ **Get better insight on the signal being measured with minimal noise interference.**
• **Long Capture** – 400 Mpts/Ch interleaving, 200 Mpts/ch non-interleaving	✓ **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.**
• **Built-in web server** – supports remote control over LAN port.	✓ **Save data for external analysis and screen images for reports.**
• **History** – record function, the maximum recorded waveform length is 80,000 frames.	✓ **Replay the changing waveform history.**
• **Includes Bode Plot and Power Analysis applications as standard.**	✓ **Common applications coverage as standard.**
• **MSO** – Optional 16 Digital Channel Probe available.	✓ **Add mixed signal debugging to your Oscilloscope**

For more information, please contact:

AUTHORIZED TELEDYNE LECROY Everywhereyoulook™ DISTRIBUTOR

20aug24

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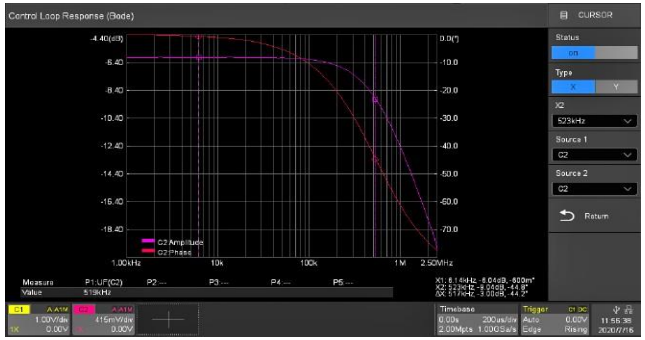
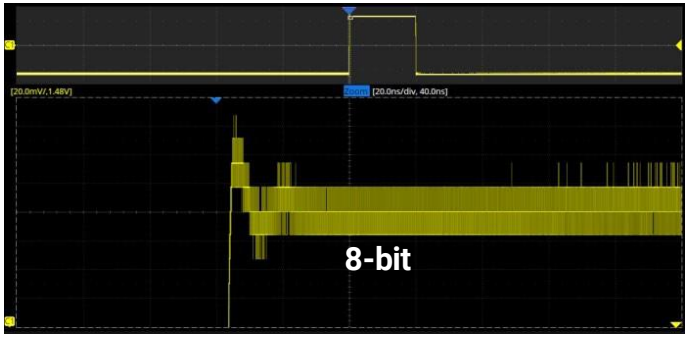
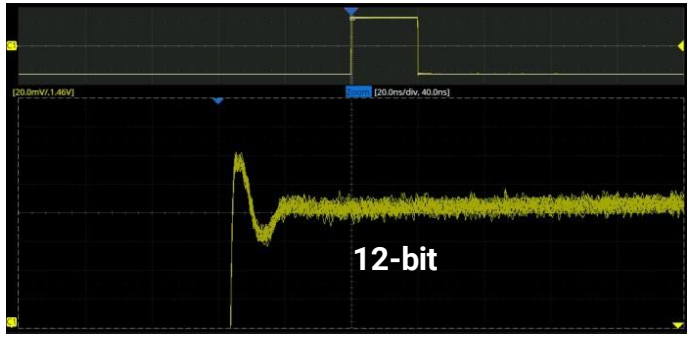
T3DSO3000HD Functions & Characteristics

1 Bode Plot



2 12-bit High Resolution

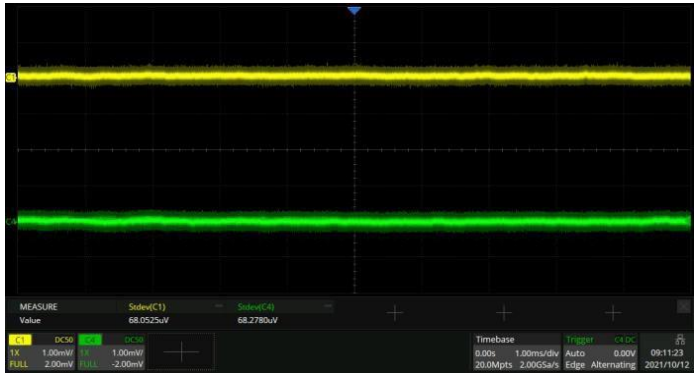




12-bit resolution shows you more details and less noise on the waveform.

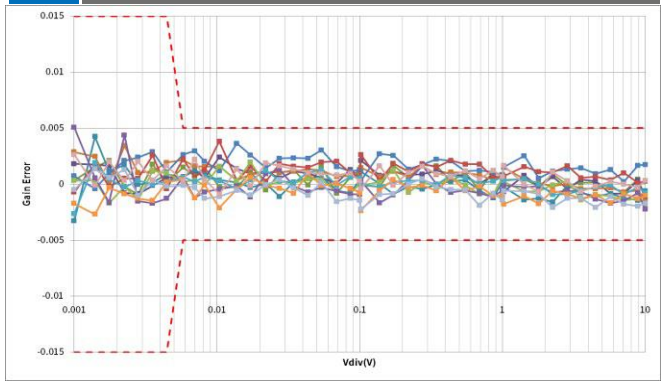
3 Serial Trigger and Decode

4 High Performance Front-end



Low noise floor: Only 125 µVrms at 1 GHz bandwidth

5 Superb DC Gain Accuracy



0.5 % DC gain accuracy

Excellent User Interface and User Experience

10.1” display with 1024x600 Resolution, Capacitive Touch Screen, Built-in WebServer, Digital Channels (optional), etc.