

ZT4440

Digital Storage Oscilloscope



Key Specifications

Platform:
PCI, PXI, LXI, VXI

Channels:
2 or 4

Resolution:
14 bit

Bandwidth:
300 MHz

Max Sample Rate:
800 MS/s

Max Record Length:
256M Samples



- Bandwidth & fast sampling for a variety of applications
 - 300 MHz typical analog bandwidth, 250 MHz minimum
 - Equivalent and interpolated sampling up to 100 GS/s
- On-board memory with up to 256M sample record length (128M samples/channel)
 - Continuous memory mode for deep waveform capture
 - Segmented memory mode for analysis of repetitive signals and statistical analysis
- On-board calculation of over 40 waveform parameters related to voltage, time, and frequency (FFT)
- Four calculation channels for waveform math, digital filtering, FFT, and more
- Four non-volatile reference channels for storing and comparing waveforms
- Store and recall instrument settings files from on-board non-volatile memory
- Multiple acquisition modes including averaging, high-resolution, peak detect, and envelope
- Advanced measurement modes include limit and mask testing, histograms, and gated measurements
- Pattern, glitch, pulse width, video, and dual-event cascading trigger capability
- High-speed data transfer rates up to full bus bandwidth specifications
- Timing and triggering capabilities support multiple board synchronization