

LeCroy Digital Storage Oscilloscopes 100MHz, 200MHz, 350MHz, 500MHz

WAVEJET® 300 SERIES



FEATURES

- 500 MHz, 350 MHz, 200 MHz, and 100 MHz bandwidth
- 2 or 4 channels
- Large 7.5" color LCD
- Small 4" footprint
- More than 200x the capture time at 2 GS/s compared to other

TECHNICAL SPECIFICATION

SPECIFICATIONS	314	312	324	322	334	332	354	352
Bandwidth		100 MHz		200 MHz		350 MHz		500 MHz
Rise Time		3.5 ns		1.75 ns		1 ns		750 ps
Input Channels	4	2	4	2	4	2	4	2
Display	7.5" Color flat-panel TFT-LCD, 640 x 480 VGA							
Sample Rate (single-shot)	1 GS/s	2 GS/s (Interleaved), 1 GS/s (all channel)						
Sample Rate (RIS)	100 GS/s							
Peak Detect Period	1 ns							
Memory Length	500 kpts/Ch (all channels)							
Capture Time	500 μ s at 1 GS/s, 250 μ s at 2 GS/s							
Vertical Resolution	8 bit							
Vertical Sensitivity	2 mV/div–10 V/div			2 mV/div–10 V/div, 2 mV/div–2 V/div (50 μ s)				
Vertical (DC) Gain Accuracy	\pm (1.5% + .5% of full scale)							
BW Limiting Filters		20 MHz			20 MHz, 200 MHz			
Maximum Input Voltage		400 V CAT I			400 V CAT I, 5 Vrms (50 μ s)			
Input Coupling		GND, DC 1 MW, AC 1 MW			GND, DC 1 MW, AC 1 MW, DC 50W			
Input Impedance		1 MW \pm 1.5% 20 pF			1 MW \pm 1.5% 16 pF, 50W \pm 1.5%			
Probing System		BNC with Probe Sense Ring						
Probes PP010 (One per Channel) P		P006A (One per Channel)						
Timebase Range	5 ns/div–50 s/div 2 ns/div–50 s/div 1 ns/div–50 s/div 500 ps/div–50 s/div							
Roll Mode 50 ms/div–	50 s/div (100 kS/s maximum)							
Timebase Accuracy	10 ppm (typical)							
TRIGGERING								
Triggers	Edge, Glitch Video, Period, Pulse Count, Video							
MEASURE, ZOOM, MATH AND REPLAY								
Measure	Base, Cycle Mean, Cycle RMS, Duty Cycle, Fall Time (90–10%), Fall Time (80–20%), Frequency, Integral, Maximim, Mean, Minimum, Number of +Pulses, Number of -Pulses, +Overshoot, -Overshoot, Peak-Peak, Period, +Pulse Width, -Pulse Width, Rise Time (20–80%), Rise Time (10–90%), RMS, Skew, Skew@level, Top, Top-Base							
Zoom	Use the front panel QuickZoom button to zoom all wavefo in a separate zoom grid							
Math	Sum, Difference, Product, FFT (up to 8 kpts with Rectangular, Hanning or Flat Top)							
Replay	Look back at the history of waveform acquisitions (Maximum 1024 acquisitions)							
PHYSICAL DIMENSIONS								
Dimensions (HWD)	190 mm x 285 mm x 102 mm (7.5" x 11.2" x 4")							
Net Weight	3.2 kg; 7 lbs.							