

SPECIFICATIONS

| | WaveJet 314A | WaveJet 312A | WaveJet 324A | WaveJet 322A | WaveJet 334A | WaveJet 332A | WaveJet 354A | WaveJet 352A |
|-----------------------------|--|-----------------|---|-----------------|--|-----------------|---------------------|-----------------|
| 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 | | | | | | | |
| Sampling Rate (single-shot) | 1 GS/s | | 2 GS/s (Interleaved), 1 GS/s (all channels) | | | | | |
| Sampling 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 Ω) | | | |
| Vertical (DC) Gain Accuracy | \pm (1.5% + 0.5% of full scale) | | | | | | | |
| BW Limiting Filters | 20 MHz | | | | 20 MHz, 200 MHz | | | |
| Maximum Input Voltage | 400 V CAT I | | | | 400 V CAT I, 5 V _{rms} (50 Ω) | | | |
| Input Coupling | GND, DC 1 M Ω , AC 1 M Ω | | | | GND, DC 1 M Ω , AC 1 M Ω , DC 50 Ω | | | |
| Input Impedance | 1 M Ω \pm 1.5% 20 pF | | | | 1 M Ω \pm 1.5% 16 pF, 50 Ω \pm 1.5% | | | |
| Probing System | BNC with Probe Sense Ring | | | | | | | |
| Probes | PP010 (One per Channel) | | | | PP006A (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, Period, Pulse Count, TV

Measure, Zoom, Math and Replay

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| Measure | Base, Cycle Mean, Cycle RMS, Duty Cycle, Fall Time (90-10%), Fall Time (80-20%), Frequency, Integral, Maximum, 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 waveforms in a separate zoom grid. |
| Math | Sum, Difference, Product, FFT (up to 8 kpts with Rectangular, Von Hann, or Flat Top) |
| Replay | Look back at the history of waveform acquisitions (maximum 1024 acquisitions) |

Physical Dimensions

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| Dimensions (HWD) | 190 mm x 285 mm x 102 mm (7.5" x 11.2" x 4") |
| Net Weight | 3.2 kg; 7 lbs. |