

VDS 2064L PC Oscilloscope



- + 60MHz bandwidth, and 500MSa/s sample rate
- + 2/ 4 channels
- + 5M record length
- + Friendly UI : FFT, or X-Y, and waveform 2 views displayed on the same screen
- + Multi-trigger option : edge, video, slope, pulse, and alternate
- + USB isolation - less signal inference, more PC protection
- + USB bus powering, and LAN remote control
- + Ultra-thin body design, easy portability

+ Performance Specifications

| Model | VDS2064L |
|---|---|
| Bandwidth | 60MHZ |
| Channel | 4+1 (multi) |
| Sample Rate | 500MSa/s |
| Horizontal Scale (s/div) | 5ns/div ~ 100s/div, step by 1 ~ 2 ~ 5 |
| Rise Time | ≤5.8 ns |
| Record Length | 5M |
| Input Coupling | DC, AC, GND |
| Input Impedance | 1MΩ±2%, in parallel with 10pF±5pF |
| Channels Isolation | 50Hz : 100 : 1, 10MHz : 40 : 1 |
| Max Input Voltage | 40V (PK - PK) (DC+AC, PK - PK) |
| DC Gain Accuracy | ±3% |
| DC Accuracy | Average ≥ 16: ±(3% reading + 0.05div) for ΔT |
| Probe Attenuation Factor | 1X, 10X, 100X, 1000X |
| LF Respond (AC, -3dB) | ≥5Hz (at input, AC coupling, -3dB) |
| Sampling Rate / Relay Time Accuracy | 150ps |
| Interpolation | sin(x) / x |
| Interval (ΔT) Accuracy (full bandwidth) | Single: ± (1 interval time + 100ppm × reading + 0.6ns), Average > 16: ±(1 interval time + 100ppm × reading + 0.4ns) |
| Vertical Resolution (A/D) | 8 bits (2 channels simultaneously) |

| Model | VDS2064 | |
|--------------------------------|---|--|
| Vertical Sensitivity | 5mV/div ~ 5V/div | |
| Trigger Type | Edge, Pulse, Video, Slope, Alternate | |
| Trigger Mode | Auto, Normal, Single | |
| Trigger Level | ±5 divisions from screen center | |
| Acquisition Mode | Sample, Peak Detect, and Average | |
| Line / Field Frequency (video) | NTSC, PAL, and SECAM standard | |
| Cursor Measurement | ΔV, and ΔT between cursors | |
| Automatic Measurement | Vpp, Vmax, Vmin, Vtop, Vbase, Vamp, Vavg, Vrms, Overshoot, Preshoot, Freq, Period, Rise Time, Fall Time, Delay A→B, Delay A→B, +Width, -Width, +Duty, -Duty | |
| Waveform Math | +, -, ×, ÷, invert, FFT | |
| Lissajous Figure | Bandwidth | full bandwidth |
| | Phase Difference | ±3 degrees |
| Communication Interface | USB 2.0, LAN | |
| Multi-function Interface | Signal Type | synchronized input / output, Pass / Fail, external trigger input |
| | Level Standard | TTL |
| Power Supply | 5.0V/1A | |
| Power Consumption | ≤5W | |
| Dimensions (W × H × D) | 190 × 120 × 18 (mm) | |
| Weight (without package) | About 0.3 kg | |

Specifications subject to change without prior notice.

+ Application

design and debug circuit function test education and training

+ Accessories

The accessories subject to final delivery.



PS : Adapter and power cord only available for models with LAN port.

