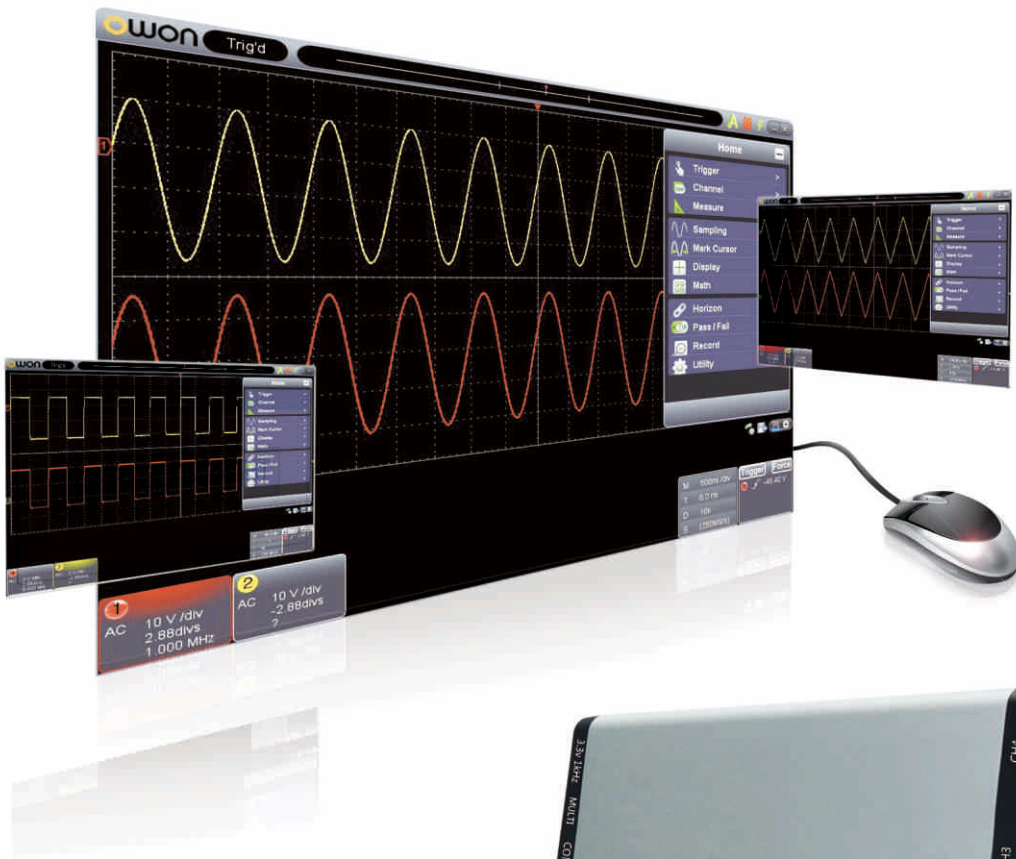


Easy Portability | Friendly Storage | Free Share

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+ Meet your best need



VDS Series

PC Oscilloscope

- 2 / 4 channels /
- Up to 100MHz bandwidth, and max 1GS/s real-time sample rate /
- Max 10M 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 (optional) /
- Ultra-thin body design, easy portability /

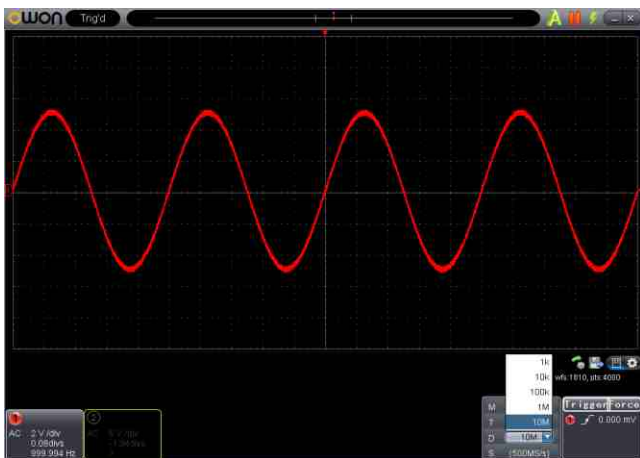
Ultra-thin body design, easy portability



- 1. RS232 port (optional)
- 2. USB port : power supplying via USB bus, communicating with PC
- 3. LAN port (optional) : remote control
- 4. Channel 1 signal input
- 5. Channel 2 signal input
- 6. EXT trigger input, trigger output, or Pass/Fail output
- 7. probe compensation : measurement signal (3.3V/1KHz) output

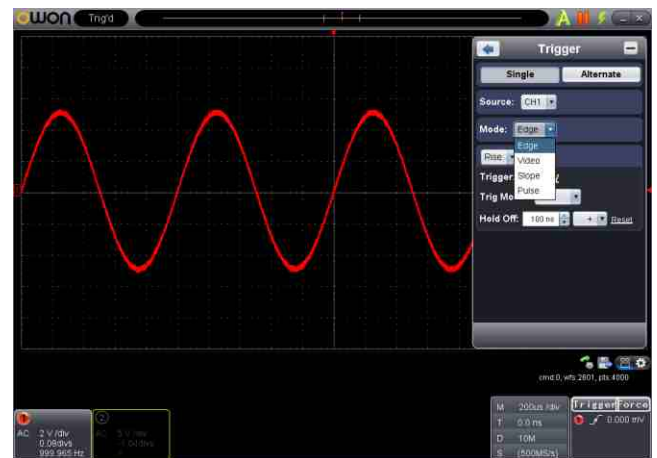
Note : When communicating with PC via LAN, the oscilloscope should be powered by adapter.

record length up to 10M



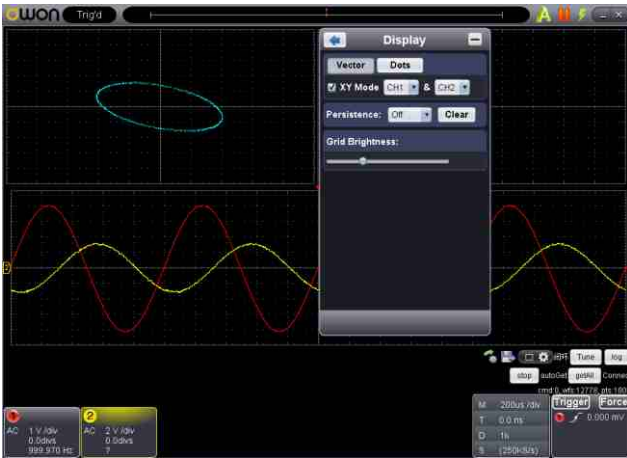
various record length option, max 10M

multi-trigger option

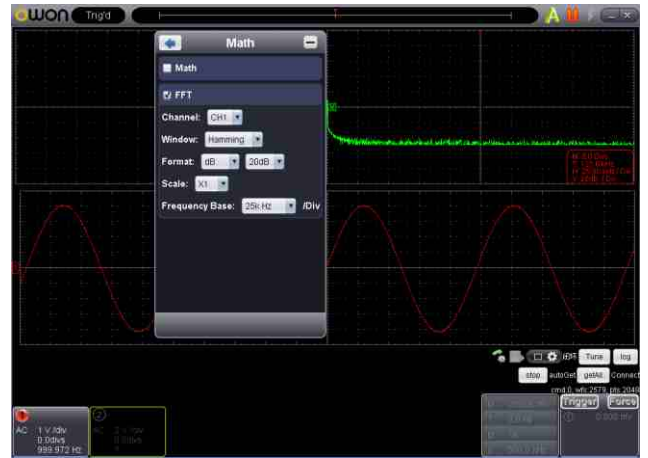


Edge, Video, Slope, Pulse, and Alternate

X-Y mode, FFT mode with waveform displayed on the same screen



X-Y mode with waveform display



FFT mode with waveform display

Performance Specifications

| Model | VDS1022I | VDS1022 | VDS2062 | VDS2064 | VDS3102 | VDS3104 |
|---|--|---------|----------------------------------|-------------|---------------------------------------|-------------|
| Bandwidth | 25MHz | | 60MHz | | 100MHz | |
| Channel | 2+1 (multi) | | | 4+1 (multi) | 2+1 (multi) | 4+1 (multi) |
| Sample Rate | 100MS/s | | 500MS/s | | 1GS/s | |
| Horizontal Scale (s/div) | 5ns/div - 100s/div, step by 1 - 2 - 5 | | | | 2ns/div - 100s/div, step by 1 - 2 - 5 | |
| Rise Time | ≤14ns | | ≤5.8ns | | ≤3.5ns | |
| Record Length | 5K | | 10M | 5M | 10M | 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 | 400V (PK - PK) (DC + AC, PK - PK) | | 40V (PK - PK) (DC + AC, PK - PK) | | | |
| DC Gain Accuracy | ±3% | | | | | |
| DC Accuracy | Average ≥16 : ±(3% reading + 0.05 div) 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) | | | | | |

Performance Specifications

| Model | VDS1022I | VDS1022 | VDS2062 | VDS3102 | VDS2064 <small>NEW!</small> | VDS3104 <small>NEW!</small> |
|--------------------------------|---|--|------------------------|---------------------|-----------------------------|-----------------------------|
| 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, Vavg, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Preshoot, 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 | USB2.0 (isolation) | USB2.0 | USB2.0, LAN (optional) | | | |
| Multi-function Interface | Signal Type | synchronized input / output, Pass / Fail, external trigger input | | | | |
| | Level Standard | TTL | | | | |
| Power Supply | 5.0V/1A | | | | | |
| Power Consumption | ≤1.5W | | | ≤5W | | |
| Dimensions (W × H × D) | 170 × 120 × 18 (mm) | | | 190 × 120 × 18 (mm) | | |
| Weight (without package) | 0.26 kg | | | | 0.30 kg | |

Specifications subject to change without prior notice.

Accessories

The accessories subject to final delivery.



Probe



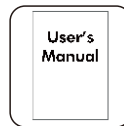
Probe Adjust



Power Cord*



CD Rom



Manual



USB Cable



Adapter*



Silicon Gel Case



Soft Bag (optional)

* Power cord and adapter only available for models with LAN port.

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