



VDS Series PC Oscilloscope



- + Up to 100MHz bandwidth, and max 1GS/s real-time sample rate
- + 2/ 4 channels
- + 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 interference, more PC protection
- + USB bus powering, and LAN remote control (optional)
- + Ultra-thin body design, easy portability
- + SCPI supported
- + LabVIEW supported (only in VDS3102, and VDS3104)

+ 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 | 100MSa/s | | 1GSa/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 | ≤14 ns | | ≤5.8 ns | | ≤3.5 ns | |
| Record Length | 5K | | 10M | 5M | 10M | 5M |
| Input Coupling | DC, AC, GND | | | | | |
| Input Impedance | 1MΩ±2%, in parallel with10pF±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 + 0.05div) 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) | | | | | |
| Vertical Sensitivity | 5mV/div ~ 5V/div | | | | | |
| Trigger Type | Edge, Pulse, Video, Slope, and Alternate | | | | | |
| Trigger Mode | Auto, Normal, and 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 | | +, -, x, ÷, invert, FFT | | |
| Lissajous Figure | Bandwidth | full bandwidth | | |
| | Phase Difference | ±3 degrees | | |
| Communication Interface | | USB 2.0 (isolation) | USB 2.0 | USB 2.0, 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 | | ≤2.5W | ≤6.5W | |
| Dimensions (W x H x D) | | 170 x 120 x 18 (mm) | | 190 x 120 x 18 (mm) |
| Device Weight | | 0.26 kg | | 0.3 kg |

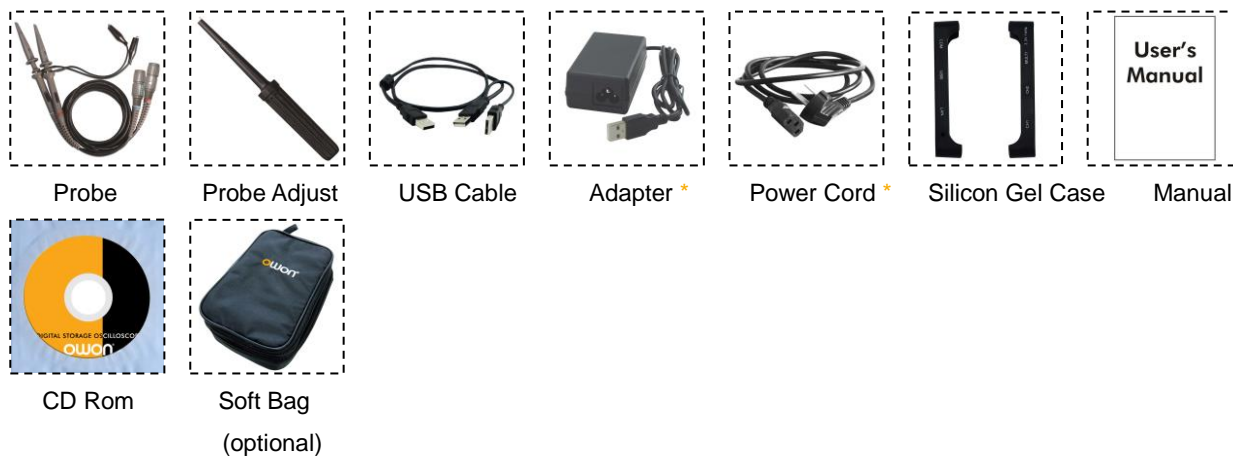
Specifications subject to change without prior notice.

+ Application

design and debug circuit function test education and training

+ Accessories

The accessories subject to final delivery.



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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Benchtop Oscilloscopes](#) category:

Click to view products by [OWON](#) manufacturer:

Other Similar products are found below :

[TBS2102B](#) [TBS1102C](#) [TBS1202C](#) [DSO3064A](#) [DSO5102P](#) [MSO5062D](#) [CC-650](#) [GDS-2072A](#) [GDS-2074E](#) [GDS-2202E](#) [GDS-2204E](#) [2555](#)
[2557](#) [2568](#) [BK2190E](#) [HDO4104A](#) [HDO4024A](#) [2540C](#) [2542C](#) [2569-MSO](#) [2190E](#) [DSOX2004A/DSO0000-903](#) [GDS-2202A](#) [MDO-2202EG](#)
[MDO-2204EX](#) [HANTEK DSO4084B](#) [HANTEK DSO4084C](#) [HANTEK DSO4104B](#) [HANTEK DSO4104C](#) [HANTEK DSO4204B](#) [HANTEK](#)
[DSO4204C](#) [HANTEK DSO4254B](#) [DSO-2090](#) [DSO-2150](#) [DSO5062B](#) [RTB2K-202](#) [RTC1K-COM2](#) [UTD2025CL](#) [UTD2052CL](#) [CC-65](#)
[MSO5202D](#) [PICOSCOPE5444DMSO](#) [GDS-1054B](#) [GDS-1074B](#) [GDS-1102B \(CE\) 2CH](#) [GDS-1104B](#) [GDS-2072E](#) [GDS-2102E](#) [ANALOG](#)
[DISCOVERY 2 PRO BUNDLE](#) [AX-DS1052CFM](#)