

Performance Specifications

| Model | SDS1022 SE |
|---|---|
| Bandwidth | 20MHz |
| Sample Rate | 100MS/s |
| Horizontal Scale (s/div) | 5ns/div - 100s/div, step by 1 - 2 - 5 |
| Rise Time (at input, typical) | ≤17.5ns |
| Channel | 2 |
| Display | 7" color LCD, 800 x 600 pixels |
| Input Impedance | 1MΩ ± 2%, in parallel with 20pF ± 5pF |
| Channel Isolation | 50Hz : 100 : 1, 10MHz : 40 : 1 |
| Max Input Voltage | 400V (PK - PK) (DC+AC, PK - PK) |
| DC Gain Accuracy | ±3% |
| Record Length | 10K |
| DC Accuracy (average) | Average ≥ 16 : ±(3% reading + 0.05 div) for ΔV |
| Probe Attenuation Factor | 1X, 10X, 100X, 1000X |
| LF Respond (AC, -3dB) | ≥10Hz (at input, AC coupling, -3dB) |
| Sample Rate / Relay Time Accuracy | ±100ppm |
| Interpolation | sin(x) / x |
| Interval (ΔT) Accuracy (full bandwidth) | Single : ±(1 interval time + 100ppm x reading + 0.6ns), Average > 16 : ±(1 interval time + 100ppm x reading + 0.4ns) |
| Input Coupling | DC, AC, and GND |
| Vertical Resolution (A/D) | 8 bits (2 channels simultaneously) |
| Vertical Sensitivity | 5mV/div - 5V/div (at input) |
| Trigger Type | Edge |
| Trigger Mode | Auto, Normal, and Single |
| Trigger Level | ±6 divisions from screen center |
| Cursor Measurement | ΔV, and ΔT between cursors |
| Automatic Measurement | Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Pre-shoot, Rise time, Fall time, +Width, -Width, +Duty, -Duty, Delay A→B, Delay A→B |
| Waveform Math | +, -, x, ÷, invert, FFT |
| Waveform Storage | 15 waveforms |
| Lissajous Figure | Bandwidth Full bandwidth PhaseDifference ±3 degrees |
| Communication Interface | USB |
| Frequency Counter | available |
| Power Supply | 100V - 240V AC, 50/60Hz, CAT II |
| Power Consumption | < 15W |
| Fuse | 2A, T class, 250V |
| Dimension (W x H x D) | 301 x 152 x 70 mm |

Specifications subject to change without prior notice.

+ Accessories

The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB Cable



Probe



Probe Adjust

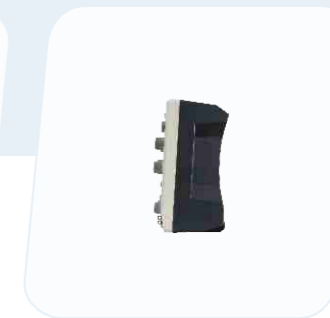
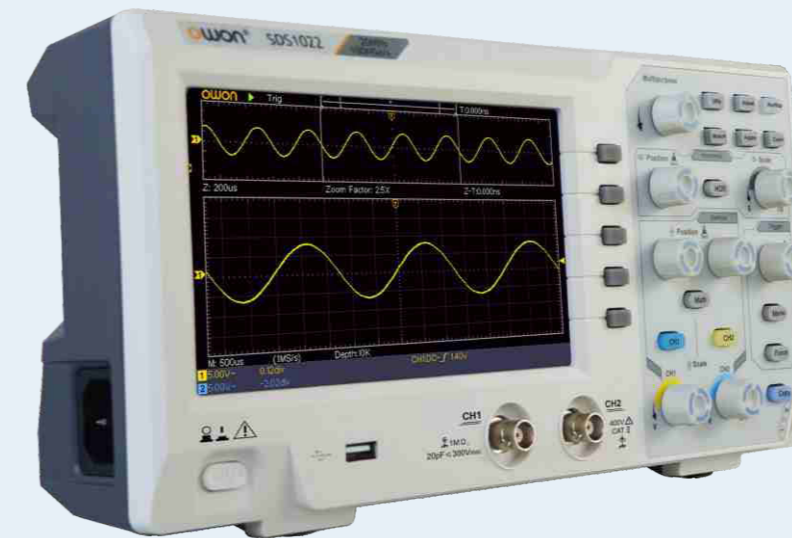


Soft Bag (optional)

owon®

SDS1022

Super- economical Type
Digital Storage Oscilloscope



- + Bandwidth : 20MHz
- + 2-Channel
- + Sample rate : 100MS/s
- + Ultra-thin body
- + 7 inch high resolution LCD
- + SCPI, and LabVIEW supported

Test Equipment Depot - 800.517.8431 - 99 Washington Street Melrose, MA 02176

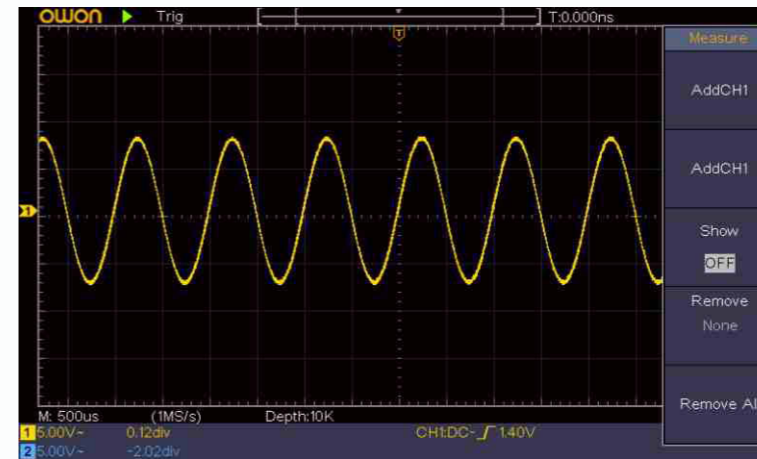
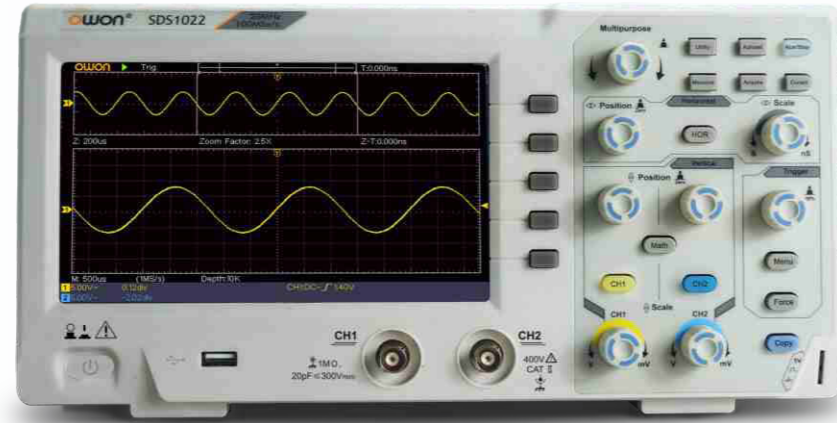
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Fujian Lilliput Optoelectronics Technology Co., Ltd.

LILLIPUT®

front-sided USB CI design, more friendly to save data

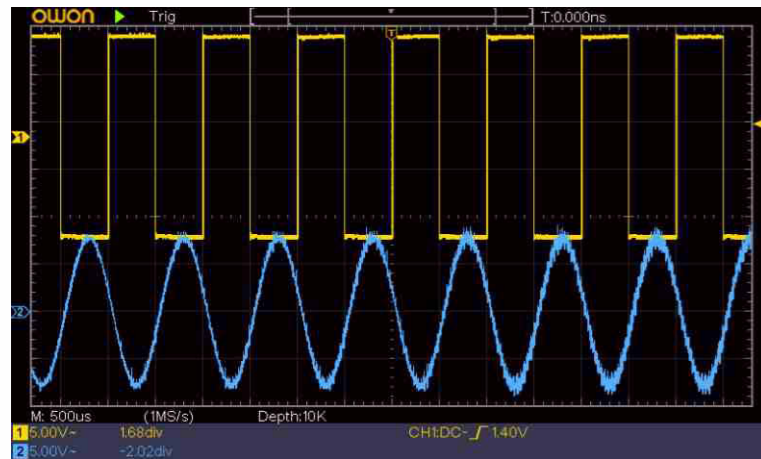


friendly UI interaction

easy-accessible operation menu gets you to the result conveniently

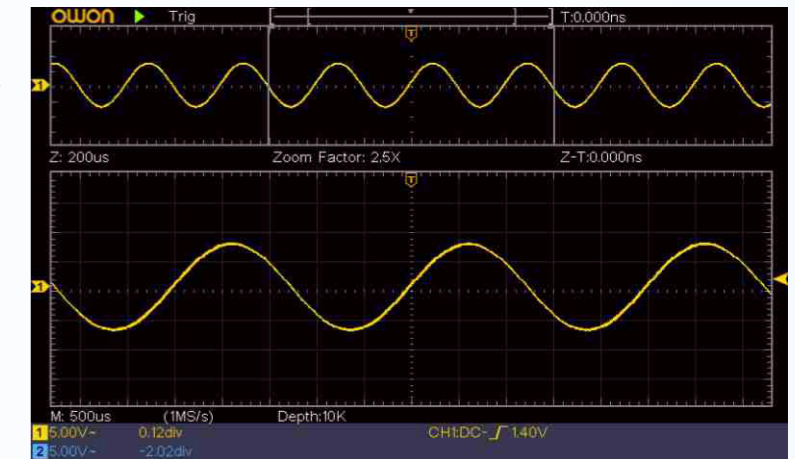
large display

7" high resolution LCD brings more waveform detail filling better visual effect.



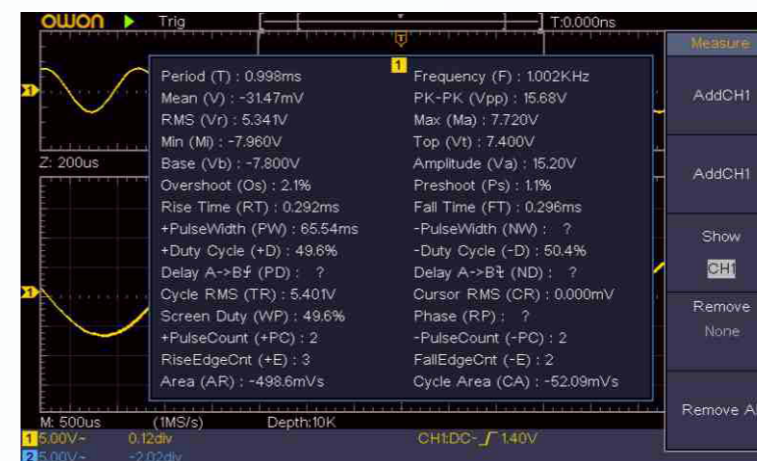
windows extension

the function facilitates the observation of abnormal signal from full waveform



ultra-thin device body, assures super portability

sided power socket better suit for industrial environment measurement



snapshot

one click, all measurement value comes from 32 auto-measurement options