



## SDS9302V

### Deep Memory Digital Storage Oscilloscope

- + Bandwidth : 300MHz with dual-channel
- + Sample rate : 3.2GS/s
- + 10M record length for each channel
- + Multi-function : auto-scale, Pass / Fail, and current-measuring
- + Supported SCPI
- + LAN remote control
- + Smart design with easy portability
- + Large 8 inch 800 x 600 pixels display
- + Optional battery available



#### + Performance Specifications

| Model                                   | SDS9302V                                                                                                             |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Bandwidth                               | 300MHz                                                                                                               |
| Sample Rate                             | 3.2GS/s                                                                                                              |
| Horizontal Scale (s/div)                | 1ns/div ~ 100s/div, step by 1~2~5                                                                                    |
| Rise Time                               | ≤1.17ns                                                                                                              |
| Display                                 | 8" color LCD, 800 x 600 pixels, 65535 colors                                                                         |
| Channel                                 | 2 + 1 (external)                                                                                                     |
| Record Length                           | 10M                                                                                                                  |
| Input Coupling                          | DC, AC, and GND                                                                                                      |
| Input Impedance                         | 1MΩ ± 2%, in parallel with 10pF ± 5pF                                                                                |
| Channel Isolation                       | 50MHz : 100 : 1, 10MHz : 40 : 1                                                                                      |
| Max Input Voltage                       | 400V (PK - PK) (DC + AC, PK - PK)                                                                                    |
| DC Gain Accuracy                        | ±3%                                                                                                                  |
| DC Accuracy                             | 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)                                                                                  |
| Sampling Rate / Relay Time Accuracy     | ±100ppm                                                                                                              |
| Interpolation                           | sin (x) / x                                                                                                          |
| Interval (ΔT) Accuracy (full bandwidth) | Single: ±(1 interval time + 100ppm × reading + 0.6ns);<br>Average>16 : ±(1 interval time + 100ppm × reading + 0.4ns) |
| Vertical Resolution (A/D)               | 8 bits (2 channels simultaneously)                                                                                   |
| Vertical Sensitivity                    | 2mV/div~10V/div                                                                                                      |
| Trigger Type                            | Edge, Pulse, Video, Slope, Alternate                                                                                 |

|                                |                  |                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Trigger Mode                   |                  | Auto, Normal, Single                                                                                                                                                                                                                                                                                                            |
| Trigger Level                  |                  | ±6 divisions from screen center                                                                                                                                                                                                                                                                                                 |
| Acquisition modes              |                  | 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, Overshoot, Preshoot, Rise Time, Fall Time, Delay A→B  , Delay A→B  , +Width, -Width, +Duty, -Duty |
| Waveform Math                  |                  | +, -, ×, ÷, invert, FFT                                                                                                                                                                                                                                                                                                         |
| Waveform Storage               |                  | 15 waveforms                                                                                                                                                                                                                                                                                                                    |
| Lissajous                      | Bandwidth        | full bandwidth                                                                                                                                                                                                                                                                                                                  |
| Figure                         | Phase Difference | ±3 degrees                                                                                                                                                                                                                                                                                                                      |
| Communication Interface        |                  | USB, USB flash disk storage, Pass / Fail, LAN, VGA (optional), or RS232 (optional)                                                                                                                                                                                                                                              |
| Cymometer                      |                  | available                                                                                                                                                                                                                                                                                                                       |
| Power Supply                   |                  | 100V - 240V AC, 50/60Hz, CAT II                                                                                                                                                                                                                                                                                                 |
| Power Consumption              |                  | < 24W                                                                                                                                                                                                                                                                                                                           |
| Fuse                           |                  | 2A, T class, 250V                                                                                                                                                                                                                                                                                                               |
| Battery (optional)             |                  | 7.4V, 8000mA                                                                                                                                                                                                                                                                                                                    |
| Dimension (W × H × D)          |                  | 340 × 155 × 70 (mm)                                                                                                                                                                                                                                                                                                             |
| Weight (without package)       |                  | 1.80 kg                                                                                                                                                                                                                                                                                                                         |

Specifications subject to change without prior notice.

#### + Application

- electronic circuit debugging  
education and training
- circuit testing  
automobile maintenance and testing
- design and manufacture

#### + Accessories

The accessories subject to final delivery.

