

SDS7072 - Features and Benefits



- 100MHz Bandwidth, 1GSa/s Real-time Sample Rate
- High-resolution TFT color display, 800×600 pixels, 65535 colors
- Saving of measured values and graphics directly onto the USB-stick
- VGA-output port for external monitor(optional)
- Autoset and autoscale function for easy operation
- LAN connection for remote acces via network
- Internal memory of 10 million points per channel or 15 waveforms
- 20 automatic measurement modes and FFT function
- PASS/FAIL function

| Specifications | Model | SDS7072 |
|----------------|---------------------------------|---|
| | Bandwidth | 70MHz |
| | Sample rate(Real time) | 1GSa/s |
| | Horizontal Scale(S/div) | 2ns/div~100s/div ,step by 1~2~5 |
| | Rise time (at input, typical) | ≤5ns |
| | Channels | 2 + 1 (External) |
| | Display | 8" color LCD, TFT display , 800×600 pixels, 65535 colors |
| | Record length | Max. to 10Mpts |
| | 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) |
| | DC gain accuracy | ±3% |
| | DC accuracy(Average) | Average≥16:±(3% reading+0.05div) 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 | (sinx) / x |
| | Interval(ΔT) accuracy | Single: ±(1 interval time+100ppm×reading+0.6ns) Average>16:±(1 interval time+100ppm×reading+0.4ns) |
| | Input coupling | DC, AC , GND |
| | Vertical resolution(A/D) | 8 bits resolution (2 Channels simultaneously) |
| | Vertical sensitivity | 2mV/div~10V/div(at input) |
| | Trigger type | Edge, Pulse, Video, Slope, Alternate |
| | Trigger mode | Auto, Normal, Single |
| | Trigger level | ±6 divisions from screen center |
| | Line/field frequency(Video) | NTSC, PAL and SECAM standard |
| | Cursor measurement | ΔV and ΔT between cursors |
| | Automatic measurement | Vpp, Vavg, Vamp, 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 | +, -, ×, ÷, FFT |
| | Waveform storage | 15 waveforms |
| | Communication interface | USB, USB flash disk storage, Pass / Fail, LAN, VGA (optional), or COM (optional) |
| | Dimensions | 340mm × 155mm× 70mm |
| | Weight | 1.8kg |