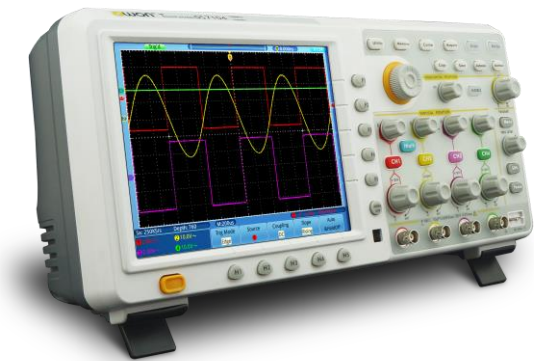


那TDS Series Touch Screen Digital Storage Oscilloscope



- + 70MHz bandwidth, 1GS/s realtime sample rate
- + 7.6M record length
- + 50,000 wfms/s waveform capture rate
- + waveform zooming (horizontal / vertical), and saving
- + FFT points (length, and resolution variable)
- + multi-window extension
- + user-friendly voice warning
- + 8 inch 800 x 600 pixels high def LCD
- + multi- communication interface : USB, VGA, and LAN

Model	TDS7074
Bandwidth	70MHz
Channel	4
Sample Rate	1GS/s
Waveform Capture Rate	50,000 wfms/s
Display	8" color LCD
Input Coupling	DC, AC, and GND
Input Impedance	1MΩ ± 2%, in parallel with 10pF ± 5pF ; 50Ω ± 1%
Probe Attenuation Factor	1X, 10X, 100X, 1000X
Max Input Voltage	1MΩ input impedance : 400V (PK - PK) (DC + AC, PK - PK) ; 50Ω input impedance : 5V (PK - PK) (DC + AC, PK - PK)
Channel Isolation	50Hz : 100 : 1 ; 10MHz : 40 : 1
Interpolation	sin(x)/x
Record Length	7.6M
Horizontal Scale (s/div)	2ns/div - 100s/div, step by 1 - 2 - 5
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 (4 channels simultaneously)
Vertical Sensitivity	2mV/div - 10V/div (at input)
Analog Bandwidth	70MHz
LF Respond (AC, -3dB)	≥5Hz (at input, AC coupling, -3dB)
Rise Time	≤5.0ns
DC Accuracy	±3%
Trigger Type	Edge, Pulse, Video, Slope
Trigger Mode	Auto, Normal, Single
Trigger Level Range	±6 division from the screen center

Trigger level Accuracy (typical)		±0.3 division
Line / Field Frequency (video)		NTSC, PAL, and SECAM standard
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		+, -, ×, ÷, invert, FFT
Waveform Storage		4 reference waveforms
Lissajous Figure	Bandwidth	full Bandwidth
	Phase Difference	±3 degrees
Cursor Measurement		ΔV, and ΔT between cursors
Communication Port		USB host, USB device, VGA, LAN
Power Supply		100 - 240 V AC, 50/60Hz, CAT II
Dimension (W×H×D)		380 × 180 × 115 (mm)
Weight (without package)		1.5 kg

+ Performance Specifications

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.

