



CE

- + Max 200MHz bandwidth, up to 2GS/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

+ Performance Specifications

Model	TDS7104	TDS8104	TDS8204
Bandwidth	100MHz		200MHz
Channel		4	
Sample Rate	1GS/s		2GS/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	100MHz		200MHz
LF Respond (AC, -3dB)		≥5Hz (at input, AC coupling, -3dB)	
Rise Time	≤3.5ns		≤1.7ns

Model	TDS7104	TDS8104	TDS8204
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, Vavg, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Preshoot, Rise Time, Fall Time, Delay A→B↑, Delay A→B↓, +Width, -Width, +Duty, -Duty	
Waveform Math		+ , - , × , ÷ , FFT	
Waveform Storage		4 reference waveforms	
Lissajous Figure	Bandwidth	full Bandwidth	
	Phase Difference	±3 degrees	
Cursor Measurement		△V, and △T 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)		1.50 kg	

Specifications subject to change without prior notice.

+ Application

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

+ Accessories

The accessories subject to final delivery.



Power Cord CD Rom Manual USB Cable Probe Probe Adjust Soft Bag (optional)