





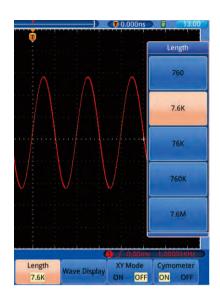


Main Feature

- + 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
- + FF1 points (length, and resolution variable)
- + multi-window extension
- + user-triendly voice warning
- + 8 inch 800 x 600 pixels high def LCD
- + multi- communication interface: USB, VGA, and LAN

multi- record length option, max 7.6M

multi- record length option - 760 / 7.6K / 76K / 760K / 7.6M, when at 7.6M record length, single channel still able to maintain 1GS/s sample rate (dual channels @ 500MS/s simultaneously). Deep record length, and high sample rate, adding continual waveform capture capability, all of these get you access to the fine details into the complicated signals, from which to find irregular, occasional events.



Sa 500MS/s Depth 760 Millions

B powerful waveform capture rate

up to 50,000 wfms/s waveform capture rate, restoring random / low-probability event in fine details

C input impedance selectable - $1M\Omega$, and 50Ω

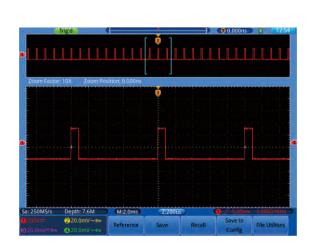


 $1M\Omega$: suitable for testing / measuring less- super-high frequency, and large voltage signal

 50Ω : suitable for testing / measuring high frequency, RF signal

D multi- window extension

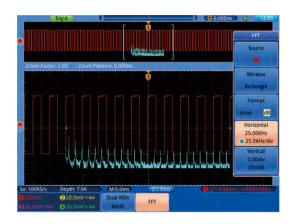
double-display, and proportion-zoom realizes waveform detail restoring when observing the whole outline



Touch Screen Digital Storage Oscilloscope

FFT, and waveform display in the same screen

this function facilitates wave spectrum analyzing, and FFT points option available in 512 / 4K / 32K.



user-friendly help menu

users is able to locate concrete help menu upon with touch control, and gesture-identifying



ommon output file formats supported

covering .bmp, .png, .jpg, and .bin, .csv format

nulti- communication interface equipped



Application

electronic circuit debugging education and training

design and manufacture circuit testing automobile maintenance and testing

Accessories

The accessories subject to final delivery.















Power Cord CD Rom

Manual

USB

Probe

Probe Adjust

(optional)

Performance Specifications

М	odel	TDS7104	TDS8104	TDS8204
Bandwidth		100MHz 200MHz		200MHz
Channel		4		
Sample Rate		1GS/s	2GS/s	
Waveform Capture Rate		50,000 wfms/s		
Display		8" touch screen color LCD		
Input Coupling		DC, AC, and GND		
Input Impedance		$1M\Omega$ ± 2%, in parallel with $10pF$ ± $5pF$; 50Ω ± 1%		
Probe Attenuation Factor		1X, 10X, 100X, 1000X		
Max Input Voltage		$1M\Omega$ input impedance : 400V (PK - PK) (DC + AC, PK - PK) ; 50 Ω 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	1ns/div - 100s/d	div, step by 1 - 2 - 5
Interval (△T) Accuracy		Single: ±(1 interval time + 100ppm × reading + 0.6ns),		
(full bandwidth)		Average>16: \pm (1 interval time + 100ppm × reading + 0.4ns)		
Vertical Resolution (A/D)		8 bits resolution (4 channels simultaneously)		
Vertical Sensitivity		2mV/div - 10V/div (at input)		
Analog Bandwidth		100	100MHz 200MHz	
LF Respond (AC, -3dB)		≥5Hz (at input, AC coupling, -3dB)		
Rise Time		≤3.5ns ≤1.7n		≤1.7n
DC Accuracy		±3%		
Trigger Type		Edge, Pulse, Video, Slope		
Trigger Mode		Auto, Normal, Single		
Trigger Level Range		±6 div from the screen center		
Trigger level Accuracy (typical)		±0.3 div		
Line / Field Frequency (video)		NTSC, PAL, and SECAM standard		
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		4 reference waveforms		
Linealesse Fire	Bandwidth	full Bandwidth		
Lissajous Figure	Phase Difference	±3 degrees		
Cursor Measurement		riangleV, and $ riangle$ 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.

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