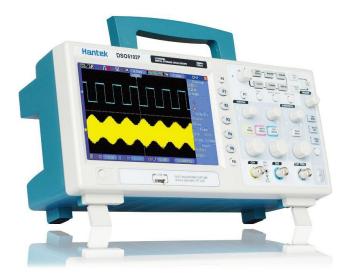
DSO5000P Series Digital Storage Oscilloscope





Bandwidth:60-200MHz,1GSa/s Real Time sample rate Large (7.0-inch) color display,WVGA(800x480)

Features

- 200/100/70MHz bandwidths
- •1GSa/s Real Time sample rate
- Large (7.0-inch) color display,WVGA(800x480)
- Record length up to 24K
- Trigger mode: edge/pulse width/line selectable video/slop/overtime etc.
- USB host and device connectivity, standard
- Multiple automatic measurements
- Four math functions, including FFTs standard
- Provides software for PC real-time analysis

Specifications

Model	DSO5202P	DSO5102P	DSO5072P
Bandwidth	200MHz	100MHz	70MHz
Real-time Sample Rate	1GSa/s		
Equivalent Sample Rate	25GSa/s		
Record Length	24K		
SEC/DIV Range	4nS/div-40S/div (in a 2, 4, 8 sequence)		
Delay Time Accuracy	500ps		
Vertical			

A/D Converter	8-bit resolution, each channel sampled simultaneously			
VOLTS/DIV Range	2mV/div∼5V/div at input BNC			
Position Range	$\pm 50 \text{V}(5 \text{V/div}), \pm 40 \text{V}(2 \text{V/div} \sim 500 \text{mV/div}), \\ \pm 2 \text{V}(200 \text{mV/div} \sim 50 \text{mV/div}) \pm 400 \text{mV}(20 \text{mV/div} \sim 2 \text{mV/div})$			
Rise Time at BNC	≤1.7ns ≤3.5ns ≤5ns			
DC Gain Accuracy	±4% for Sample or Average acquisition mode, 5mV/div to 2mV/div ±3% for Sample or Average acquisition mode, 5V/div to 10mV/div			
Trigger System				
Trigger Sensitivity (Edge Trigger Type)	DC: 1div from DC to 10MHz;1.5div from 10MHz to 100MHz; 2div from 100MHz to 200MHz; EXT: 200mV from DC to 40MHz EXT/5:1V from DC to 40MHz AC: Attenuates signals below 10Hz HF Reject: Attenuates signals above 80kHz LF Reject: Attenuates signals below 150kHz Noise Reject: Reduces trigger sensitivity			
Trigger Level Range	CH1,CH2: ±8 divisions from center of screen EXT: ±1.2V EXT/5: ±6V			
Trigger Level Accuracy, typical (Accuracy is for signals having rise and fall times ≥20ns)	CH1,CH2: \pm (0.3div×V/div) (within \pm 4 divisions from center of screen) EXT: \pm (6% of setting + 40mV) EXT/5: \pm (6% of setting + 200mV)			
Holdoff Range	100ns-10s			
Trigger Type				
Edge	Trigger on the rising or falling edge			
Pulse Width	Trigger (when >,<,=,≠) on positive or negative pulses Pulse Width Range: 20ns-10s			
Video	Trigger on an NTSC, PAL, or SECAM standard video signal Line Range: 1-525 (NTSC), 1-625 (PAL/SECAM)			
Slope	Trigger (when >,<,=,≠) on a positive or negative slope Set Time: 20ns–10s			
Overtime	from the rising or falling edge Set Time: 20-10s			
Alternate	Internal trigger on edge, pulse width, video or slope			
Measurement				
Cursors	Manual: The difference between voltage cursors $\triangle V$; the difference between time cursors $\triangle T$; $1/\triangle T$ calculated by Hz. Tracing: The voltage and time at a waveform point;			
Automatic(32)	Frequency, Period, Mean, Pk-Pk, Cycli RMS, Minimum, Maximum, Rise time, Fall Time, +Pulse Width, -Pulse Width, Delay1-2Rise, Delay1-2Fall, +Duty, -Duty, Vbase, Vtop, Vmid, Vamp, Overshoot, Preshoot, Preiod Mean, Preiod RMS, FOVShoot, RPREShoot, BWIDTH、FRF、FFR、LRR、LRF、LFR、LFF			
Display				
Туре	Right angle 7"TFT 16-digit color LCD			
Resolution	800*480 dots			

Contrast	16 gears, with the progress bar to show adjustment		
Interface	USB host and USB slave		
Power Supply			
Voltage	100-120VACRMS(±10%), 45Hz to 440Hz, CAT II 120-240VACRMS(±10%), 45Hz to 66Hz, CAT II		
Power	<30W		
Fuse	2A, T rating, 250V		
Mechanical			
Size	Length: 313mm Width: 108mm Height: 142mm		
Weight	2.08KG (exclusive of packing and accessories)		