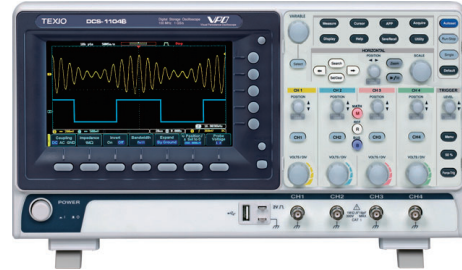


1GS/s Digital Storage Oscilloscopes

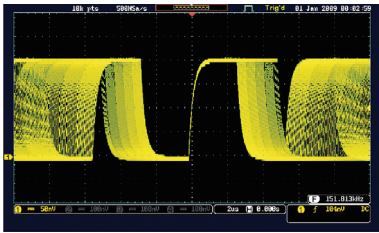
- DCS-1054B (1GS/s 4ch 50MHz)
- DCS-1074B (1GS/s 4ch 70MHz)
- DCS-1104B (1GS/s 4ch 100MHz)
- DCS-1072B (1GS/s 2ch 70MHz)
- DCS-1102B (1GS/s 2ch 100MHz)

DCS-1000B Series

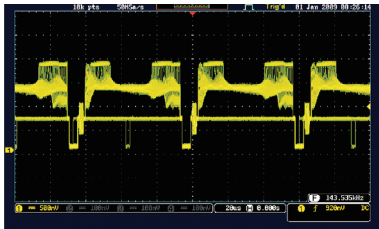
7" TFT WVGA color display



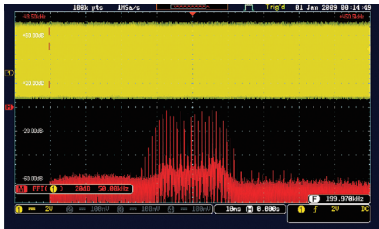
- 100MHz/70MHz/50MHz Digital Storage Oscilloscope
- Waveform update rate up to 50,000wfms/s



- 256 color gradient 7inches WVGA display



- 10M memory depth per channel independently
- 1M FFT mathematical sampling analysis mode



- Zoom In/Play and Pause Function
- Diversified Trigger Functions
- X-Y Mode Display
- Go/NoGo Function
- Data Log Function
- Digital Filter Function
- 36 Measurement Parameter Selections

Specifications

	DCS-1054B	DCS-1072B	DCS-1074B	DCS-1102B	DCS-1104B
Vertical					
Channels	DCS-1xx4B : 4ch , DCS-1XX2B : 2ch+EXT				
Bandwidth	DC ~ 50MHz	DC ~ 70MHz	DC ~ 70MHz	DC ~ 100MHz	DC ~ 100MHz
Resolution	8 bit @ 1MΩ: 1mV~10V				
Input Impedance	1MΩ // 16pF				
DC Gain Accuracy	1mV: ±4% full scale, >2mV: ±3% full scale				
Waveform Signal Process	+, -, ×, ÷, FFT, FFTrms, User Defined Expression FFT: Spectral magnitude, Set FFT Vertical Scale to Linear RMS or dBV RMS, and FFT Window to Rectangular, Hamming, Hanning, or Blackman-Harris				
Trigger					
Source	CH1, CH2, CH3*, CH4*, Line, EXT** *four channel models only. **two channel models only.				
Trigger Type	Edge, Pulse Width(Glitch), Video, Pulse Runt, Rise & Fall(Slope), Timeout, Alternate, Event-Delay(1~65535 events), Time-Delay(Duration, 4nS~10S), Bus				
Coupling	AC, DC, LF rej., Hf rej., Noise rej.				
Sensitivity	1div				
External Trigger					
Range	±15V				
Sensitivity	DC ~ 100MHz Approx. 100mV				
Horizontal					
Time base Range	5ns/div ~ 100s/div (1-2.5 increments) ROLL: 100ms/div ~ 100s/div				
Pre-trigger	10 div maximum				
Post-trigger	2,000,000 div maximum.				
Real Time Sample Rate	1GSa/s max.				
Record Length	Max. 10Mpts				
Acquisition Mode	Normal, Average, Peak Detect, Single				
Peak Detection	2nS (typical)				
Average	selectable from 2 to 256				
X-Y Mode					
X-Axis Input	Channel 1; Channel 3*		*four channel models only		
Y-Axis Input	Channel 2; Channel 4*		*four channel models only		
Phase Shift	±3° at 100kHz				
Cursors and Measurement					
Cursors	Amplitude, Time, Gating available; Unit: Seconds(s), Hz(1/s), Phase(degree), Ration(%)				
Automatic Measurement	36 sets: Pk-Pk, Max, Min, Amplitude, High, Low, Mean, Cycle Mean, RMS, Cycle RMS, Area, Cycle Area, ROVShoot, FOVShoot, RPRESHOOT, FPRESHOOT, Frequency, Period, RiseTime, FallTime, +Width, -Width, Duty Cycle, +Pulses, -Pulses, +Edges, -Edges, FRR, FRF, FFR, FFF, LRR, LRF, LFR, LFF, Phase				
Control Panel Function					
Autoset	Single-button, automatic setup of all channels for vertical, horizontal and trigger systems, with undo Autoset				
Save Setup	20set				
Save Waveform	24set				
Display					
TFT LCD Type	7" TFT WVGA color display 800 horizontal x 480 vertical pixels (WVGA)				
Waveform Update Rate	50,000 waveforms per second, maximum				
Interface					
USB Port	USB 2.0 High-speed host port X1, USB High-speed 2.0 device port X1				
Ethernet Port (LAN)	RJ-45 connector, 10/100Mbps with HP Auto-MDIX (4ch Model Only)				
General					
Dimensions	384mmX208mmX127.3mm				
Weight	2.8kg				
Power Source	100V~240V AC, 50Hz~60Hz, Auto selection, Power consumption: 30 Watts				