

## 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

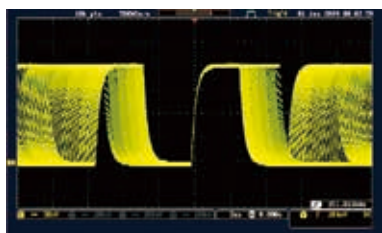
7" TFT WVGA color display

LabVIEW CE

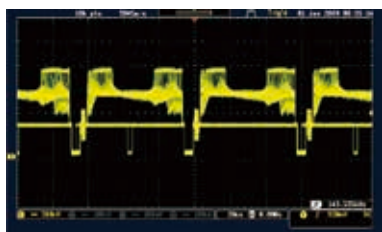


USB STANDARD LAN STANDARD

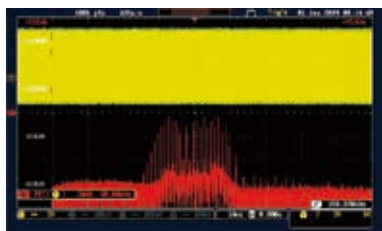
- 100MHz/70MHz/50MHz Digital Storage Oscilloscope
- Waveform update rate up to 50,000wfms/s



- 256 gradation 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
<b>Vertical</b>					
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				
<b>Trigger</b>					
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				
<b>External Trigger</b>					
Range	±15V				
Sensitivity	DC ~ 100MHz Approx. 100mV				
<b>Horizontal</b>					
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				
<b>X-Y Mode</b>					
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				
<b>Cursors and Measurement</b>					
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, FRF, FRF, FFR, LRR, LRF, LFR, LFF, Phase				
<b>Control Panel Function</b>					
Autoset	Single-button, automatic setup of all channels for vertical, horizontal and trigger systems, with undo Autoset				
Save Setup	20set				
Save Waveform	24set				
<b>Display</b>					
TFT LCD Type	7" TFT WVGA color display 800 horizontal × 480 vertical pixels (WVGA)				
Waveform Update Rate	50,000 waveforms per second, maximum				
<b>Interface</b>					
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)				
<b>General</b>					
Dimensions	384mmX208mmX127.3mm				
Weight	2.8kg				
Power Source	100V~240V AC, 50Hz~60Hz, Auto selection, Power consumption: 30 Watts				