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Qingdao Hantek Electronic Co.,Ltd



About Us

In 1999, the Hantek founders predicated the prosperous future of the instruments with USB interface, we commercially launched our first USB oscilloscope with model number as DSO-220 in 2001, with the advantages as plug & play, free power and convenient carrying, this product were accepted by European & American markets promptly.

Based on technology innovation, HANTEK has been continuously introduced several new products, current our products consist handheld oscilloscope, bench type digital storage oscilloscope, logic analyzer, arbitrary waveform generator, and so on.

Since establishment, providing good quality products to meet the needs of customers has become the guiding principle at HANTEK. Meanwhile, HANTEK is concentrating on develop more advanced products to the markets.

HANTEK is your partner to offer not only measuring instruments but also solution and service.

Contents

Handheld Oscilloscope

DSO1000S Series Handheld Oscilloscope.....	02
DSO1000B(V) Series Handheld Oscilloscope.....	04
DSO1000 Series Handheld Oscilloscope.....	06
DSO8000 Series Five-in-one Handheld Oscilloscope.....	08

Digital Storage Oscilloscope

DSO5000BM(V) Series Digital Storage Oscilloscope.....	09
DSO5000B Series Digital Storage Oscilloscope.....	11
DSO5074F/ DSO5000E Series Mixed Signal Oscilloscope.....	13

Benchtop Arbitrary Waveform Generator

HTG1000A Series Benchtop Arbitrary Waveform Generator.....	15
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PC USB Oscilloscope

DSO3000 Series 4-Channel PC USB Oscilloscope.....	17
DSO2000 Series PC USB Oscilloscope.....	19

PC USB Function/Arbitrary Waveform Generator

DDS-3X25/DDS-3005 PC USB Function/Arbitrary Waveform Generator.....	20
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PC USB Logic Analyzer

LA5034/LA4032 PC USB Logic Analyzer.....	21
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Automotive Diagnostic Equipment

DSO3064 Kits Automotive Diagnostic Oscilloscope.....	22
DSO5080 Automotive Diagnostic Oscilloscope.....	24

Test Accessories

Handheld Oscilloscope

Isolated Channels, 1GSa/s, 200/120/60MHz

DSO1000S Series



Feature

- Isolated level: 1000V CATII, 600V CATIII.
- High Bandwidth 60MHz-200MHz Oscilloscope, 1GSa/s sample rate, and 6000 Counts DMM with analog bargraph.
- 2M Memory Depth.
- High Refresh Rate (2500 frames).
- Large 5.6 inch Color LCD Display, High Resolution (640*480).
- Square Wave Output (2V, 1KHz) for probe adjustment.
- USB Host/Device 2.0 full-speed interface, LAN Optional.
- Built in Video Help and 2GB flash memory card.

Specification		Model	DSO1202S	DSO1022S	DSO1062S
Horizontal	Bandwidth		200MHz	120MHz	60MHz
	Real-time Sample Rate		1GSa/s		
	Equivalent Sample Rate		25GSa/s		
	Rise Time at BNC		≤1.7ns	≤2.9ns	≤5.8ns
Vertical	SEC/DIV Range		2nS/div-2000S/div (in a 2, 4, 8 sequence)		
	A/D Converter		8-bit resolution		
	VOLTS/DIV Range		2mV/div~5V/div at input BNC		
	Position Range		±50V(5V/div),±40V(2V/div~500mV/div),±2V(200mV/div~50mV/div) ±400mV(20mV/div~2mV/div)		
	Record Length (Sample Points)		Single-channel: Maximum 2M; Dual-channel:Maximum 1M		
Trigger	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 Sensitivity (Edge Trigger Type)		DC: CH1/CH2(Typical) 1div from DC to 10MHz;1.5div from 10MHz to Full; 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		
	Hold off Range		100ns-10s		
Trigger Type	Trigger Level Accuracy,typical (Accuracy is for signals having rise and fall times ≥20ns)		CH1,CH2: ±(0.3div×V/div) (within ±4 divisions from center of screen)		
	Edge		Trigger on the rising or falling edge		
	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		
Measurement	Overtime		From the rising or falling edge Set Time: 20ns-10s		
	Alternate		Internal trigger on edge, pulse width, video or slope		
	Cursors		Manual: The difference between voltage cursors ΔV; the difference between time cursors ΔT; 1/ΔT calculated by Hz.Tracing: The voltage and time at a waveform point		
Meter mode	Automatic		Pk-Pk, Max, Min, Mean, Cyc RMS, Frequency, Period, Rise Time, Fall Time, Positive Width, Negative Width		
	Max. Resolution		6,000 Counts		
	DMM Testing Modes		Voltage, Current, Resistance, Capacitance, Diode & Continuity		
Isolation	Max. Input Current		AC: 10A, DC: 10A		
	Input Impedance		10 MΩ		
	The float voltage between BNC and Ground		600V CATIII, 1000V CAT II		
	The float voltage between each Channel		600V CATIII, 1000V CAT II		
	The float voltage between Multimeter and Ground		1000V		
Display	between input Ports directly		400V CAT II		
	Type		600V CATIII, 1000V CAT II		
	Resolution		Right angle 5.6 16-digit color LCD		
	Contrast		640*480 dots		
Power	Interface		16 gears, with the progress bar to show adjustment		
	Voltage		USB host and USB slave, LAN Optional		
Mechanical	Size		DC Input:12-17VDC, 1500mA		
	Weight		245 x 163 x 52 (mm)		
			3kg		

Handheld Oscilloscope

1GSa/s, 200MHz, 2GB Flash, Video Help

DSO1000B(V) Series



Feature

- 60MHz-200MHz Bandwidth with 2 Channels
- 1GS/s sample rate, and 6000 Counts DMM with analog bargraph.
- 1M Memory Depth.
- High Refresh Rate (2500 frames)
- Large 5.6 inch TFT Color LCD Display, High Resolution (640*480)
- Built-in multi-language Support
- Pass-Fail function compares a stored waveform to an unknown input
- USB 2.0 Host/Device interface, support removable disk, LAN Optional
- Built in Video Help and 2G SD flash memory within DSO1000BV Series.

Hardware Specification

Model		DSO1202B/ DSO1202BV	DSO1102B/ DSO1102BV	DSO1062B/ DSO1062BV
Horizontal	Bandwidth	200MHz	100MHz	60MHz
	Real-time Sample Rate	1GSa/s		
	Equivalent Sample Rate	25GSa/s		
	Record Length(Sample Points)	Single-channel: Maximum 1M; Dual-channel: Maximum 512k		
	SEC/DIV Range	2nS/div-2000S/div (in a 2, 4, 8 sequence)		
Vertical	Delay Time Accuracy	500ps		
	A/D Converter	8-bit resolution		
	VOLTS/DIV Range	2mV/div~5V/div at input BNC		
	Position Range	±50V(5V/div),±40V(2V/div~500mV/div),±2V(200mV/div~50mV/div), ±400mV(20mV/div~2mV/div)		
	Rise Time at BNC	≤1.7ns	≤3.5ns	≤5.8ns
Trigger	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 Sensitivity(Edge Trigger Type)	DC: CH1 / CH2 (Typical) 1div from DC to 10MHz; 1.5div from 10MHz to Full; 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		
	Trigger Level Accuracy,typical (Accuracy is for signals having rise and fall times ≥20ns)	CH1,CH2: ±(0.3div×V/div) (within ±4 divisions from center of screen)		
	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: 20ns-10s		
Measurement	Alternate	Internal trigger on edge, pulse width, video or slope		
	Cursors	Manual: The difference between voltage cursors ΔV; the difference between time cursors ΔT; 1/ΔT calculated by Hz.Tracing: The voltage and time at a waveform point		
	Automatic	Pk-Pk, Max, Min, Mean, Cyc RMS, Frequency, Period, Rise Time, Fall Time, Positive Width, Negative Width		
Meter Mode	Max.Resolution	6,000 Counts		
	DMM Testing Modes	Voltage, Current, Resistance, Capacitance,Diode & Continuity		
	Max. Input Voltage	AC: 600V, DC: 800V		
	Max. Input Current	AC: 10A, DC: 10A		
	Input Impedance	10 MΩ		
Display	Type	Right angle 5.6 16-digit color LCD		
	Resolution	640*480 dots		
	Contrast	16 gears, with the progress bar to show adjustment		
	Interface	USB host and USB slave, Lan Optional		
Power Supply	Voltage	DC Input:12-17VDC, 1500mA		
Mechanical	Size	245 x 163 x 52 (mm)		
	Weight	1.3KG (exclusive of packing and accessories)		

Handheld Oscilloscope

500MSa/s, 200MHz, 2CH DSO; 6000 Count DMM.

DSO1000 Series



Feature

- 200/60MHz bandwidth with 2 channels;
- 500MSa/s, 250MSa/s real time sampling rate;
- 50GSa/s equivalent time sampling rate;
- 6,000 count DMM resolution with AC at 600V/10A and DC at 800V/10A;
- Large 5.7 inch TFT color LCD display;
- USB host/device 2.0 full-speed interface connectivity;
- Multi-language support;
- 1000 waveforms save and record;
- Battery power operation (Installed);
- Labview\VB\VC second design instance.

Specifications

	Model	DSO1060	DSO1200
Horizontal	Channel	2	2
	Bandwidth	60MHz	200MHz
	Rise Time	≤5.8ns	≤1.7ns
	Memory Depth (Sample Points)	32k at single channel, 16k at double channels	
	Real-time Sampling Rate	250MSa/s	500MSa/s
	Equivalent Sampling Rate	Equivalent max. sampling rate is 50GSa/s	
	Time Base Range	5ns/div~1000s/div	
Vertical	Time Base Precision	±50ppm	
	Input Impedance	Resistance: 1MΩ ; Capacitance: 15 pF	
	Input Sensitivity	10mV/div to 5V/div	
	Input Coupling	AC, DC and GND (ground level indicator)	
	Vertical Resolution	8 bits	
Trigger	Maximum Input	400V (DC+AC Peak)	
	Source	CH1, CH2	
X-Y Mode	Mode	Edge, Pulse Width, Alternative, Video	
	X-Axis Input	Channel 1	
	Y-Axis Input	Channel 2	
Cursors and Measurement	Phrase Shift	Max. 3 degree	
	Voltage Measurement	Vpp, Vamp, Vmax, Vmin, Vtop, Vmid, Vbase, Vavg, Vrms, Vcrms, Preshoot, Overshoot	
	Time Measurement	Frequency, Period, Rise Time, Fall Time, Positive Width, Negative Width, Duty Cycle	
	Delay Measurement	Delay time from CH1 rising edge to CH2 rising edge Delay time from CH1 falling edge to CH2 falling edge	
	Cursors Measurement	Manual, Track, Auto Measure Modes	
	Waveform Signal Process	CH1+/- CH2, CH1xCH2, CH1/CH2, FFT, Invert	
	Storage	15 Waveforms and Setups	
Meter Mode	Maximum Resolution	6,000 Counts	
	DMM Testing Modes	Voltage, Current, Resistance, Capacitance, Diode & Continuity	
	Maximum Input Voltage	AC: 600V, DC: 800V	
	Maximum Input Current	AC: 10A, DC: 10A	
Display	Input Impedance	10 MΩ	
	TFT LCD Type	5.7 inch with LED backlight display	
Interface	Display Resolution	240 (vertical) x 320 (horizontal) dots	
	USB	USB host / device 2.0 full speed supported	
Power Source	Optional	RS232, LAN	
	Line Voltage Range	AC 100V ~ 240V, 50Hz ~ 60Hz	
Mechanics	Battery Power (Installed)	6 hours (Li-ion Battery)	
	Dimension	Length: 245mm Width: 163mm Height: 52mm	
Other	Weight	1.2KGS (exclusive of packing and accessories)	
	Accessories	2pcs probes, 2pcs multimeter probes, 1pc power cable, 1pc USB cable	
	GND Reference	Oscilloscope and Multimeter Independence	

Handheld Oscilloscope

DSO/DMM/Generator/Counter/Analyzer

DSO8000 Series

Feature

- Five-in-one Handheld Oscilloscope. Oscilloscope/DMM/ Spectrum Analyzer/FrequencyCounter/Arbitrary Waveform generator.
- High Bandwidth 60MHz/100MHz/200MHz Oscilloscope, and 6000 Counts DMM.
- Arbitrary Waveform Generator: 25MHz arbitrary waveform output, 12 bits of vertical resolution.
- USB Host/Device 2.0 full-speed interface, RS-232/LAN Optional.

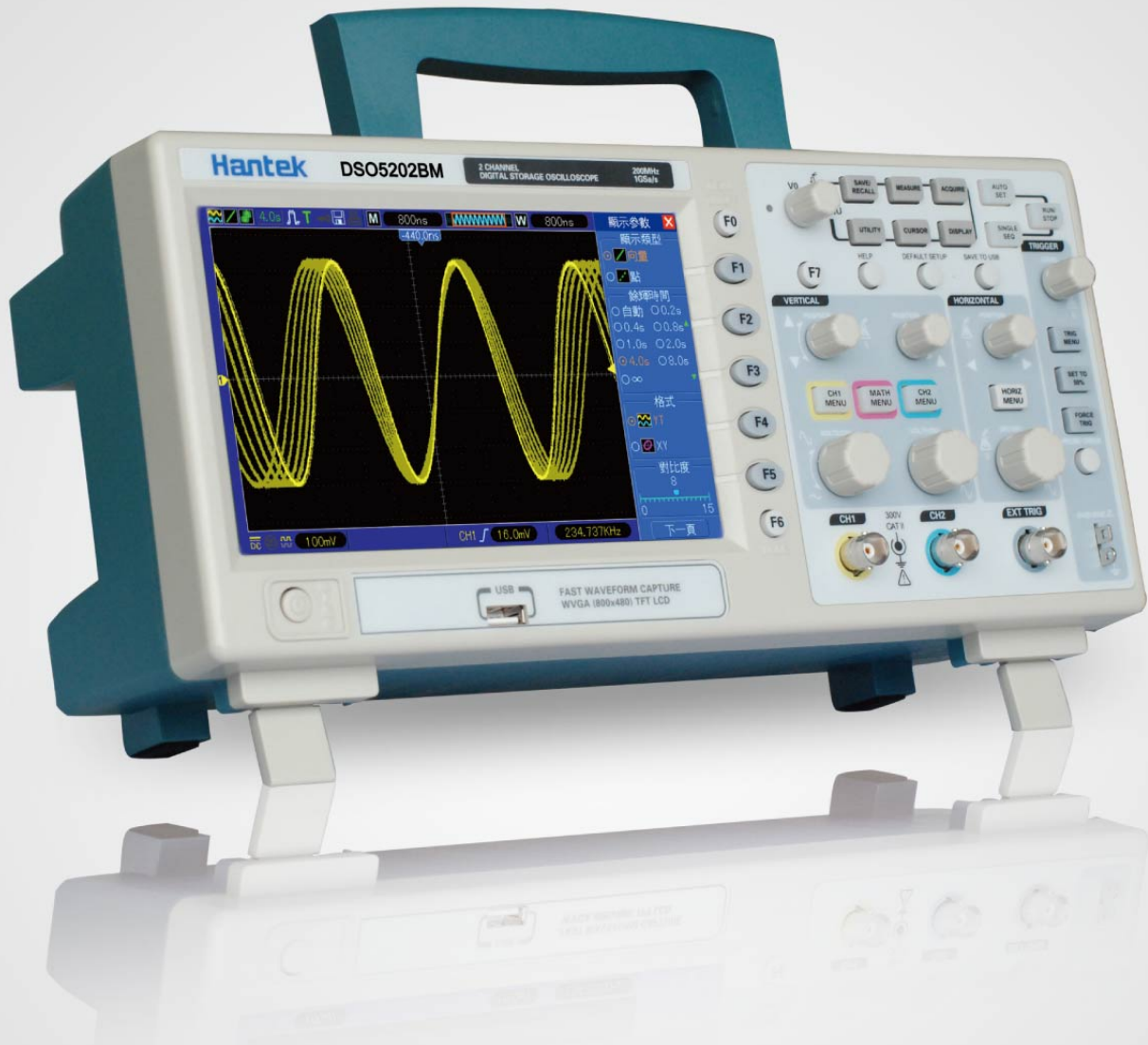
Specification

	Model	DSO8202B	DSO8102B	DSO8062B	DSO8060
Horizontal	Channel	2			
	Bandwidth	200MHz	100MHz	60MHz	
	Rise Time	≤1.7ns	≤3.5ns	≤5.8ns	
	Real-Time Sampling Rate	1GSa/s			250MSa/s
	Equivalent Sampling Rate	25GSa/s			50GSa/s
	Memory Depth	1M			32K
	Time Base Range	5ns/div~1000s/div			
Vertical	Time Base Precision	±50ppm			
	Input Impedance	Resistance: 1M; Capacitance: 15pF			
	Input Sensitivity	2mV to 5V/div			10mV to 5V/div
	Input Coupling	AC, DC and GND			
	Vertical Resolution	8 bits			
Trigger	Maximum Input	400 (DC+AC Peak)			
	Trigger Source	CH1, CH2, EXT			
	Trigger Mode	Edge, Pulse Width, Alternative, Video			
X-Y Mode	X-Axis Input	Channel 1			
	Y-Axis Input	Channel 2			
Measurement	Phrase Shift	Max. 3 degree			
	Cursors	Manual: The difference between voltage cursors ΔV ; the difference between time cursors ΔT ; $1/\Delta T$ calculated by Hz.Tracing: The voltage and time at a waveform point			
	Automatic	Pk-Pk, Max, Min, Mean, Cyc RMS, Frequency, Period, Rise Time, Fall Time, Positive Width, Negative Width			
	Data Deal	CH+/- CH2, CH1x CH2, CH1/CH2, FFT, Invert			
	Internal Storage	15 Waveforms and Setups			
	Max. Resolution	6,000 Counts			
	DMM Testing Modes	Voltage, Current, Resistance,Capacitance, Diode &Continuity			
Meter Mode	Max. Input Voltage	AC: 600V, DC: 800V			
	Max. Input Current	AC: 10A, DC: 10A			
	Input Impedance	10 M Ω			
Signal Source Mode	Waveform Impedance	DC~25MHz			
	DAC Clock	2K~200MHz adjustable			
	Frequency Resolution	0.1%			
	Channel Count	1CH Waveform Output			
	Waveform Depth	4KSa			
	Vertical Resolution	12bit			
	Frequency Stability	<30ppm			
	Waveform Range	±3.5V Max.			
	Output Impedance	50 Ω			
	Output Current	50mA I peak=50mA			
Measure Frequency Channel	System BW	25M			
	Harmonic Distortion	-50dBc(1KHz), -40dBc(10KHz)			
	Frequency Range	DC~60MHz			
	Input Range	400mVpp~18Vpp			
	Coupling Mode	DC			
	Frequency Measurement Accuracy	±Time Base Error ±1 Count			
	Input Impedence	>100K Ω			
Display	Type	Right angle 5.6", 16-digit color LCD			
	Resolution	640*480 dots			320*240 dots
	Contrast	16 gears, with the progress bar to show adjustment			
Power Supply	Interface	USB host and USB slave, RS232/Lan Optional			
	Voltage	DC Input:12~17VDC, 1500mA			
Mechanical	Size	245 x 163 x 52 (mm)			
	Weight	1.3KG (exclusive of packing and accessories)			

Digital Storage Oscilloscope

1GSa/s, 200MHz, 2M Memory, 2GB Flash, Video Help

DSO5000BM(V) Series



Feature

- 200/100/60MHz bandwidths
- 1GSa/s Real Time sample rate
- Record length up to 2M
- Large (7.0-inch) color display, WVGA(800x480)
- Up to 250wfms/s waveform update rate
- Trigger modes:edge,pulse width,slope,video,alternate trigger
- USB host and device connectivity, standard
- Provides software for PC real-time analysis

Specification

	Model	DSO5202BM/DSO5102BM/DSO5062BM	DSO5202BMV/DSO5102BMV/DSO5062BMV	
Horizontal	Bandwidth	200MHz/100MHz/60MHz		
	Real-time Sample Rate	1GSa/s		
	Equivalent Sample Rate	25GSa/s		
	Record Length(Sample Points)	Single-channel: Maximum 2M; Dual-channel:Maximum 1M (4K,16K,40K optional)		
	SEC/DIV Range	4nS/div-40S/div (in a 2, 4, 8 sequence)		
	Delay Time Accuracy	500ps		
	Video Help		Yes	
Vertical	Memory card	2GB		
	A/D Converter	8-bit resolution, each channel sampled simultaneously		
	VOLTS/DIV Range	2mV/div ~ 5V/div at input BNC		
	Position Range	±50V(5V/div),±40V(2V/div ~ 500mV/div),±2V(200mV/div ~ 50mV/div), ±400mV(20mV/div ~ 2mV/div)		
	Rise Time at BNC	≤1.7ns / ≤3.5ns / ≤5.8ns	≤1.7ns / ≤3.5ns / ≤5.8ns	
	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	Trigger Sensitivity(Edge Trigger Type)	DC: CH1 / CH2 (Typical) 1div from DC to 10MHz; 1.5div from 10MHz to Full; EXT (Typical) 200mV from DC to 40MHz; EXT/5 (Typical) 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: ±(0.3div×V/div) (within ±4 divisions from center of screen), EXT: ±(6% of setting + 40mV), EXT/5: ±(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: 20ns-10s		
Measurement	Alternate	Internal trigger on edge, pulse width, video or slope		
	Cursors	Manual: The difference between voltage cursors ΔV; the difference between time cursors ΔT; 1/ΔT calculated by Hz.Tracing: The voltage and time at a waveform point		
	Automatic	Pk-Pk, Max, Min, Mean, Cyc RMS, Frequency, Period, Rise Time, Fall Time, Positive Width, Negative Width		
Display	Type	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)		

Digital Storage Oscilloscope

1GSa/s, 200MHz, 7.0-inch LCD, WVGA(800x480)

DSO5000B Series



Feature

- 200/100/60MHz bandwidths with 2 channels;
- 1GSa/s real time sample rate;
- Large (7.0-inch) color display, WVGA (800x480);
- Memory depth up to 1M;
- Trigger mode: edge, pulse width, line selectable video, slope, overtime etc.;
- USB host and device connectivity, standard;
- Multiple automatic measurements;
- Four math functions, including FFT standard;
- Provides software for PC real-time analysis.

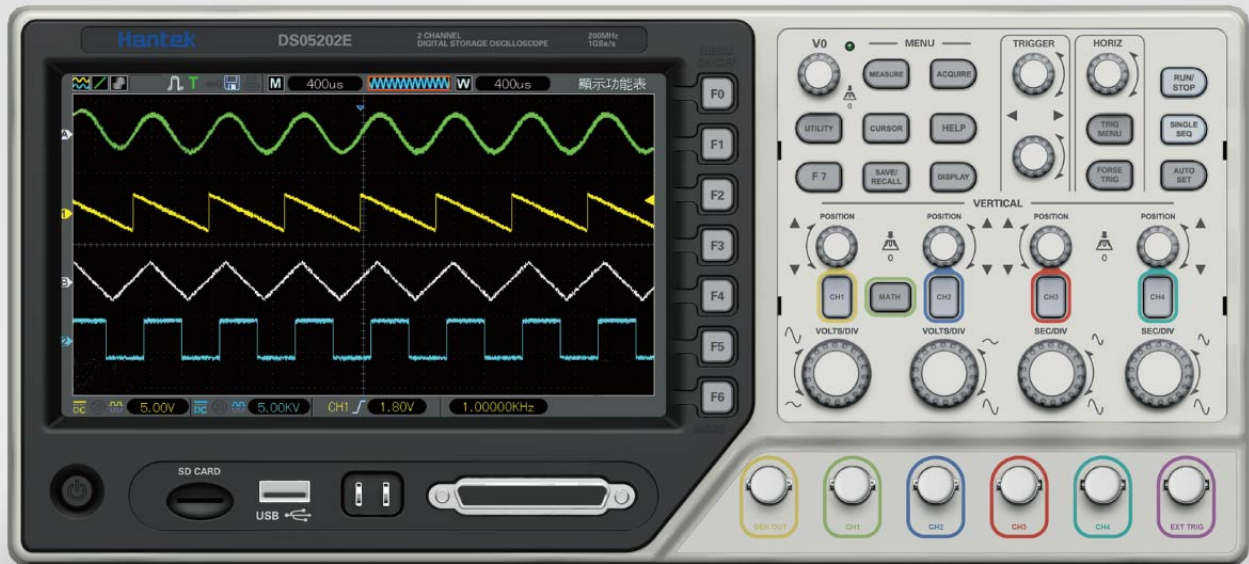
Specification

Model	DSO5202B	DSO5102B	DSO5062B	
Horizontal	Bandwidth	200MHz	100MHz	60MHz
	Rise Time at BNC	≤1.7ns	≤3.5ns	≤5.8ns
	Real-time Sampling Rate	1GSa/s		
	Equivalent Sampling Rate	25GSa/s		
	Memory Depth (Sample Points)	Single-channel: Maximum 1M; Dual-channel:Maximum 512K (4K,16K,40K optional)		
	SEC/DIV Range	2ns/div-40s/div	4ns/div-40s/div	
Vertical	Delay Time Accuracy	500ps		
	A/D Converter	8-bit resolution, each channel sampled simultaneously		
	VOLTS/DIV Range	2mV/div~5V/div at input BNC		
	Position Range	±50V(5V/div),±40V(2V/div~500mV/div),±2V(200mV/div~50mV/div),±400mV(20mV/div~2mV/div)		
	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	Trigger Sensitivity (Edge Trigger Type)	DC: CH1/CH2(Typical) 1div from DC to 10MHz;1.5div from 10MHz to Full EXT (Typical) 200mV from DC to 40MHz		
		EXT/5 (Typical) 1V from DC to 40MHz		
	Trigger Level Range	AC: Attenuates signals below 10Hz HF Reject: Attenuates signals above 80kHz LF Reject: Attenuates signals below 150kHz Noise Reject: Reduces trigger sensitivity		
		CH1,CH2: ±8 divisions from center of screen EXT: ±1.2V EXT/5: ±6V		
		CH1,CH2: ±(0.3div×V/div) (within ±4 divisions from center of screen)		
		EXT: ±(6% of setting + 40mV)		
		EXT/5: ±(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: 20ns-10s		
	Alternate	Internal trigger on edge, pulse width, video or slope		
Measurement	Cursors	Manual: The difference between voltage cursors ΔV; the difference between timecursors ΔT; 1/ΔT calculated by Hz. Tracing: The voltage and time at a waveform point		
	Automatic	Pk-Pk, Max, Min, Mean, Cyc RMS, Frequency, Period, Rise Time, Fall Time, Positive Width, Negative Width		
Display	Type	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	2.08KGS (exclusive of packing and accessories)		
	Accessories	2pcs probes, 1pc power cable, 1pc USB cable		

Digital Storage Oscilloscope

4 CH Oscilloscope ,8CH Logic Analyzer,1CH Arb Generator

DSO5074F/ DSO5000E Series



Feature

- 4 CH Oscilloscope, 8CH Logic Analyzer, 1CH Arb Generator
- Oscilloscope, 300MHz/200MHz/100MHz/60MHz bandwidth, 2GSa/s / 1GSa/s Real Time sample rate
- Generator, 25MHz, 200M DDS
- Large (7.0-inch) color display, WVGA(800x480)
- USB host and device connectivity, standard
- Multiple automatic measurements
- Built in video help and 2GB flash memory card
- Provides software for PC real-time analysis

Specification		Model	DSO5304E	DSO5204E	DSO5104E	DSO5064E	DSO5074F	
Horizontal	Channels		4					
	Bandwidth		300MHz	200MHz	100MHz		60MHz	
	Rise Time at BNC		≤1.2ns	≤1.7ns	≤3.5ns		≤5.8ns	
	Real-time Sample Rate		2GSa/s				1GSa/s	
	Equivalent Sample Rate		50GSa/s				25GSa/s	
	Record Length		24K				1M	
	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		±50V(5V/div),±40V(2V/div~500mV/div), ±2V(200mV/div~50mV/div), ±400mV(20mV/div~2mV/div)					
	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	Trigger Sensitivity(Edge Trigger Type)		DC: CH1/CH2/CH3/CH4(Typical) 1div from DC to 10MHz; 1.5div from 10MHz to Full; EXT (Typical) 200mV from DC to 40MHz; EXT/5 (Typical) 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, CH3, CH4: ±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, CH3, CH4: ±(0.3div×V/div) (within ±4 divisions from center of screen) EXT: ±(6% of setting + 40mV) EXT/5: ±(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					
Measurement	Overtime		from the rising or falling edge, Set Time: 20ns-10s					
	Alternate		Internal trigger on edge, pulse width, video or slope					
	Cursors		Manual: The difference between voltage cursors ΔV; the difference between time cursors ΔT; 1/ΔT calculated by Hz.Tracing: The voltage and time at a waveform point					
	Automatic		Pk-Pk, Max, Min, Mean, Cyc RMS, Frequency, Period, Rise Time, Fall Time, Positive Width, Negative Width					
Signal Source Mode	Waveform Impedance		DC~25MHz					
	DAC Clock		2K~200MHz adjustable					
	Frequency Resolution		0.1%					
	Channel Count		1CH Waveform Output					
Digital Mode	Waveform Depth		4KSa					
	Vertical Resolution		12bit					
Display	Digital Input		8 bit TTL					
	Type		Right angle 7" TFT 16-digit color LCD					
	Resolution		800*480 dots					
	Contrast		16 gears, with the progress bar to show adjustment					
Power Supply	Interface		USB host and USB slave					
	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)					

Function/Arbitrary Waveform Generator

2 Channel, 16 Bits, 250 MSa/s, 64 Million Points, 100MHz

HTG1000A Series



Feature

- 16 bits resolution, 250MSa/s sample rate
- 2 channels, 100 MHz, 80 MHz, 50MHz or 30 MHz maximum sine output frequency.
- 16 channels digital output, together with the analog channel can rebuild the more mixed signals in daily practice
- 64 Mpts Max. arbitrary waveform Memory Depth
- Support AM, FM, PM, ASK, FSK, PSK and PWM modulations
- TCXO timebase standard, OCXO optional for ultra-high stability
- 7 inches, 16M true color TFT LCD, WVGA(800X480)
- Plenty of interfaces: USB Host, USB Device, LAN

Specifications		HTG1032A	HTG1052A	HTG1082A	HTG1102A
Main features	Model				
	Channels	2			
	Frequency range	1uHz to 30MHz	1uHz to 50MHz	1uHz to 80MHz	1uHz to 100MHz
	Sample rate	1 uSa/s to 250 MSa/s, 1 uSa/s resolution			
	Voltage resolution	16bits			
	Waveform length	64 MSa			
	Flash memory	2GB			
	Video help	Yes			
Standard waveforms	Digital Output Mode	16 Channels			
	Isolation	Channel output isolated from the chassis			
	Waveforms	Sine, Square, Ramp, Pulse, Noise, Sinc, Exponential Rise, Exponential Fall, ECG, Gauss, Haver Sine, Lorentz, Dual-Tone, DC			
	Sine	1uHz to 30MHz	1uHz to 50MHz	1uHz to 80MHz	1uHz to 100MHz
	Square	1uHz to 30MHz			
	Pulse	1uHz to 30MHz			
	Ramp	1uHz to 30MHz			
	White noise	1uHz to 30MHz	1uHz to 30MHz	1uHz to 30MHz	1uHz to 30MHz
Arbitrary wave characteristics	Isolation	Channel output isolated from the chassis			
	Range	1m Vpp to 10 Vpp into 50Ω 2mVpp to 20 Vpp into open circuit			
	DC offset	±(5VDC – Peak AC) into 50Ω ±(10 VDC – Peak AC) into open circuit			
	Source	Internal or external			
Modulation characteristics	Amplitude modulation(AM)				
	Type	Full-carrier or double –sideband suppressed-carrier			
	Depth	0% to 120%, 0.01% resolution			
	Frequency modulation (FM)				
	Deviation	1uHz to 15 MHz, 1uHz resolution			
	Frequency shift key modulation (FSK)				
	Mark & space	Any frequency within the carrier signal's range			
	Rate	0 Hz to 1MHz			
	Binary phase shift key modulation (BPSK)				
	Phase shift	0° to 360°, 0.1° resolution			
	Rate	0 Hz to 1MHz			
	General	Pulse width modulation(PWM)			
Deviation		80% to 100% of pulse width, 0.01% resolution			
Additive modulation(SUM)					
Ratio		60% to 100% of carrier amplitude, 0.01% resolution			
Interfaces		USB host, USB device, LAN optional			
Display		7" TFT LCD(800*480)			
Power		100-120VACRMS(±10%), 45Hz to 440Hz, CAT II 120-240VACRMS(±10%), 45Hz to 66Hz, CAT II			
Power consumption		<60W			
Weight	3Kg				

PC USB Digital Oscilloscope

4 Analog CH, 16 Logic CH, 1 CH Arb. Generator

DSO3000 Series



Feature

4 Channels and EXT trigger, 60MHz Bandwidth.

10k--16M memory depth per Channel. Frequency Counter,FFT spectrum analysis.

8--36V Wide range of input voltage,suitable for vehicle power test.

USB 2.0 interface plug and play, LAN and WIFI optional.

More than 20 kinds of automatic measurement function,PASS/FAIL Check function, is suitable for engineering application.

Excellent industrial design, similar interface with bench oscilloscope ,Easy to use.

Software support : Windows NT, Windows 2000, Windows XP ,VISTA,Windows 7 ,

Supply DEMO code (VC,VB,LABVIEW) and technical support.

Specifications

Mode	Analog Channels	Digital Channels	AFG	DMM	BandWidth	Sample Rate	ETS	Resolution
DSO3064	4 Channel	--	--	--	60 MHz	200MSa/s	--	8
DSO3064A	4 Channel	--	25MHz	--	60 MHz	200MSa/s	--	8
DSO3062L	2 Channel	16 Channel	--	--	60 MHz	200MSa/s	--	8
DSO3062AL	2 Channel	16 Channel	25MHz	--	60 MHz	200MSa/s	--	8
DSO3062ALM	2 Channel	16 Channel	25MHz	V,OHM,I,F,D,C	60 MHz	200MSa/s	--	8
DSO3054R10A	4 Channel	--	25MHz	--	50 MHz	150MSa/s	50GSa/s	10
DSO3054R10	4 Channel	--	--	--	50 MHz	150MSa/s	50GSa/s	10
DSO3204	4 Channel	--	--	--	200 MHz	500MSa/s	50GSa/s	8
DSO3204A	4 Channel	--	25MHz	--	200 MHz	500MSa/s	50GSa/s	8
DSO3202L	2 Channel	16 Channel	--	--	200 MHz	500MSa/s	50GSa/s	8
DSO3202AL	2 Channel	16 Channel	25MHz	--	200 MHz	500MSa/s	50GSa/s	8
DSO3202ALM	2 Channel	16 Channel	25MHz	V,OHM,I,F,D,C	200 MHz	500MSa/s	50GSa/s	8
DSO3502A	2 Channel	--	25MHz	--	500 MHz	1.5 GSa/s	50GSa/s	8
DSO3504	4 Channel	--	--	--	500 MHz	1.5 GSa/s	50GSa/s	8
DSO3504A	4 Channel	--	25MHz	--	500 MHz	1.5 GSa/s	50GSa/s	8
DSO3502L	2 Channel	16 Channel	--	--	500 MHz	1.5 GSa/s	50GSa/s	8
DSO3502AL	2 Channel	16 Channel	25MHz	--	500 MHz	1.5 GSa/s	50GSa/s	8
DSO3602A	2 Channel	--	25MHz	--	600 MHz	2 GSa/s	50GSa/s	8
DSO3604	4 Channel	--	--	--	600 MHz	2 GSa/s	50GSa/s	8
DSO3604A	4 Channel	--	25MHz	--	600 MHz	2 GSa/s	50GSa/s	8
DSO3602L	2 Channel	16 Channel	--	--	600 MHz	2 GSa/s	50GSa/s	8
DSO3602AL	2 Channel	16 Channel	25MHz	--	600 MHz	2 GSa/s	50GSa/s	8
DSO3702A	2 Channel	--	25MHz	--	700 MHz	5 GSa/s	50GSa/s	8
DSO3704	4 Channel	--	--	--	700 MHz	5 GSa/s	50GSa/s	8
DSO3704A	4 Channel	--	25MHz	--	700 MHz	5 GSa/s	50GSa/s	8

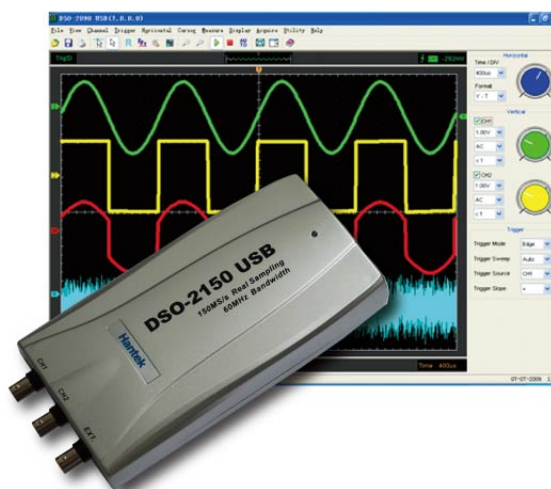
PC USB Digital Oscilloscope

200/100/60/40MHz; 2CH; USB 2.0; No External Power Required

DSO2000 Series

Feature

- 200/100/60/40MHz high bandwidth with 2 channels;
- 250MSa/s, 200MSa/s, 150MSa/s or 100MSa/s real time sampling rate;
- 50GSa/s equivalent time sampling rate;
- Multi-language support, easy to use;
- USB 2.0 interface, no external power required;
- 23 measurement functions, PASS/FAIL check, FFT.
- OS: Windows NT, Windows 2000, Windows XP, Windows 7;
- Labview/VBVC SDK.



Specifications

	Model	DSO2090	DSO2150	DSO2250	DSO5200	DSO5200A
Horizontal	Channel	2	2	2	2	2
	Bandwidth	40MHz (-3dB)	60MHz (-3dB)	100MHz (-3dB)	200MHz (-3dB)	
	Rise Time	≤8.8ns	≤5.8ns	≤3.5ns	≤1.7ns	
	Real-time Sampling Rate	100MSa/s	150MSa/s	250MSa/s	200MSa/s	250MSa/s
	Equivalent Sampling Rate	50GSa/s				
	Time Base Range	4ns/div~1h/div (1-2-4 sequences)			2ns/div~1h/div (1-2-4 sequences)	
Vertical	Time Base Precision	±50ppm				
	Input Impedance	Resistance: 1MΩ ; Capacitance: 25 pF				
	Input Sensitivity	10mV/div to 5V/div			10mV/div to 10V/div	
	Input Coupling	AC, DC and GND (ground level indicator)				
	Vertical Resolution	8 bits			9 bits	
Trigger	Memory Depth (Sample Points)	10K-64K		10K-1M	10K-28K	10K-1M
	Maximum Input	300V (DC+AC Peak)				
	Source	CH1, CH2, EXT, EXT/10				
X-Y Mode	Mode	Edge, Alternative			Edge, Pulse Width, Alternative	
	X-Axis Input	Channel 1				
	Y-Axis Input	Channel 2				
Cursors and Measurement	Phase Shift	Max. 3 degree				
	Voltage Measurement	Vpp, Vamp, Vmax, Vmin, Vtop, Vmid, Vbase, Vavg, Vrms, Vcrms, Preshoot, Overshoot				
	Time Measurement	Frequency, Period, Rise Time, Fall Time, Positive Width, Negative Width, Duty Cycle				
	Cursors Measurement	Horizontal, Vertical, Track, Auto Measure Modes				
	Waveform Signal Process	.+, -, ×, ÷, FFT, Invert				
Others	Auto Set	yes				
	Voltage Range	10mV to 5V/div @ x 1 probe			10mV to 10V/div @ x 1 probe	
		100mV to 50V/div @ x 10 probe			100mV to 100V/div @ x 10 probe	
		1V to 500V/div @ x 100 probe			1V to 1000V/div @ x 100 probe	
		10V to 5000V/div @ x 1000 probe			10V to 10000V/div @ x 1000 probe	
	Cursor	Time/frequency difference, voltage difference				
	FFT	Rectangular, hanning, hamming, blackman Window				
Math	Addition, subtraction, multiplication, division					
Mechanics	Interface	USB2.0				
	Power Source	No external power, bus-powered from USB				
	Dimension	Length: 190mm Width: 100mm Height: 35mm				
	Weight	0.29KGS (exclusive of packing and accessories)				
	Accessories	2pcs probes, 1pc 2-plugs USB cable				

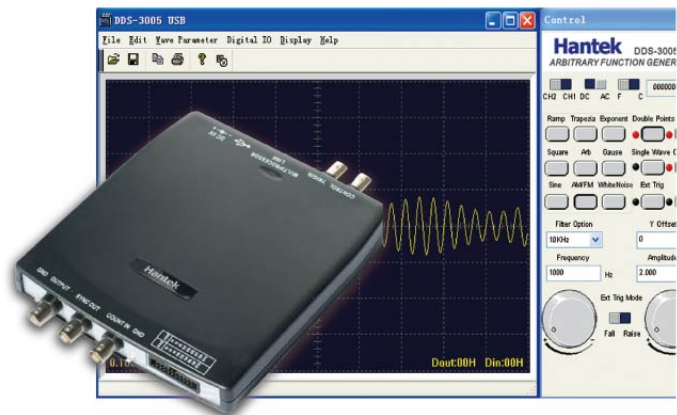
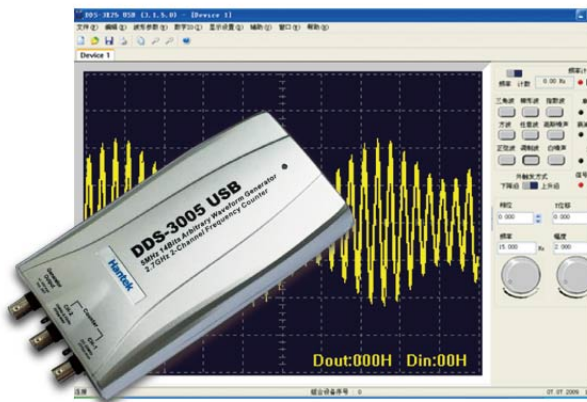
PC USB Function/Arbitrary Waveform Generator

200 MSa/s, 25Mz, 12/14 bits of vertical resolution

DDS-3X25/DDS-3005

Feature

- 2.7GHz Frequency Counter, PU USB Function/Arbitrary Waveform Generator.
- It can be used as the other products signal generator module, not need the computer. It will produce the needed arbitrary waveform signal when power on.
- 200 MSa/s of sample rate, 12 /14 bits of vertical resolution.
- 25 MHz Arbitrary waveform output 。 (sine wave up to 75 MHz).
- 50 MHz Frequency Counter.
- 12 Bit Pattern Generator.
- USB interface, plug and play, no power need, the volume is small, and the weight is light, easy to schlep.



Specifications

Model		DDS-3X25	DDS-3005
Arbitrary Waveform Output	Output Frequency	(DC) 1Hz~25MHz (sine wave up to 75MHz)	(DC) 0.1Hz~5MHz (sine wave up to 10MHz)
	Resolution	0.1% Freq	0.01Hz
	Amplitude	±3.5V max.	±10V max.
	Output Impedance	50 Ω	
	Output Current	50mA Ipeak= 100mA	
	Channel	1 channel	
	DAC Clock	2K~200MHz adjustable	0~50MHz adjustable
	Waveform Length	4KSa	256KSa
	Vertical Resolution	12 bits	14 bits
	Frequency Stabilization	< 30ppm	
System Bandwidth	25M	5M	
SYNC Out	yes		
Wave Distortion	-50dBc (1KHz), -40dBc (10KHz)	-65dBc (1KHz), -53dBc (10KHz)	
Low Pass Filter	no	5MHz, 1MHz, 100KHz, 10KHz, 1KHz programmable control	
Frequency Counter	Frequency Area	DC~50MHz	DC~25MHz/25MHz~2.7GHz
	Input Amplitude	400mVpp~18Vpp	400mVpp~25Vpp/±20dbm
	Coupling	DC	AC,DC
Pattern Generator	Frequency Precision	± time base error ± 1 count	
	Input Impedance	> 100KΩ	> 50KΩ
USB Condition	Digit	12 bits pattern generator and 6 bit digital in	8 bits digital output and 8 bit digital in
	Type	LVCMOS	
Mechanics	Temperature	0~70 centigrade	
	Humidity	0~95%	
Mechanics	Dimension	Length: 200mm Width: 150mm Height: 25mm	Length: 190mm Width: 100mm Height: 35mm
	Weight	0.5 KGS	0.7 KGS
	Accessories	1pcs BNC probes, 1pc 2-plugs USB cable	

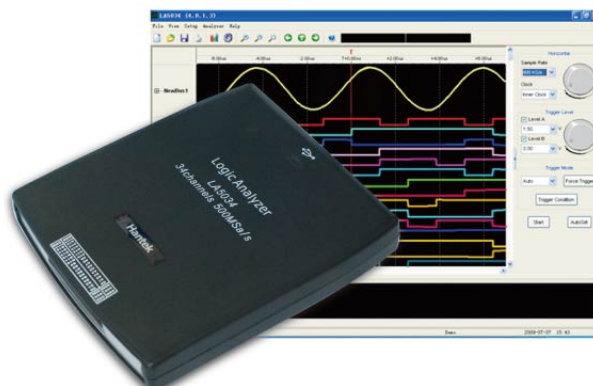
PC USB Logic Analyzer

34/32 data input channels, 500/400MHz, 2k/64M Sample Depth

LA5034/LA4032

Feature

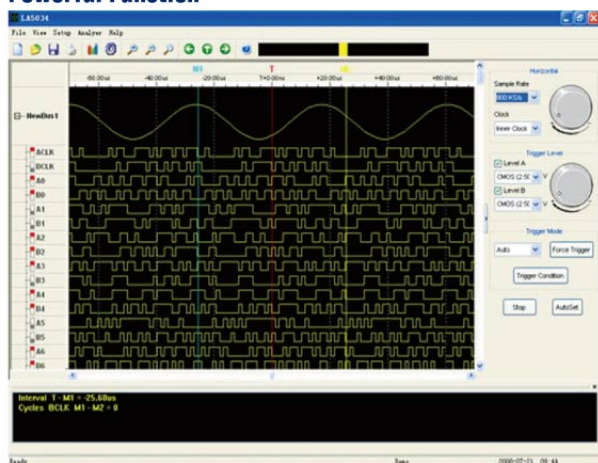
- Up to 34/32 data input channels.
- High speed operation ,500MHz/400MHz Timing-Mode (Internal Clock),200MHz State-Mode (External Clock)
- Deep data buffers (up to 2K/64M samples per channel)
- Continuously variable pre/post trigger position,Advanced Multi-Level Triggering
- +6V to -6V Adjustable Logic Threshold
- CAN, I2C, SPI and RS232 Interpreters
- Built-in 250MHz Frequency Counter
- USB 1.1 and 2.0 Compatible



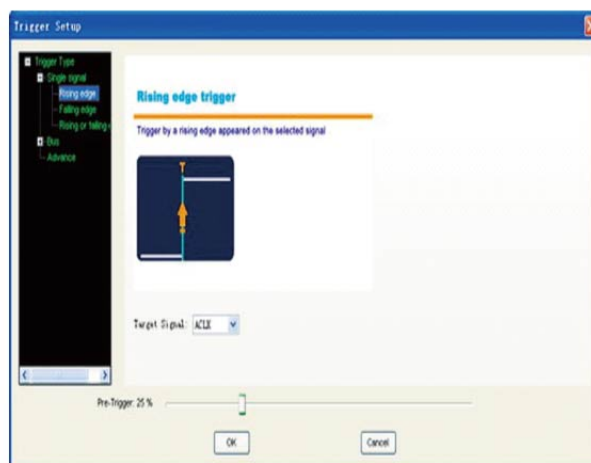
Specifications

Model	LA-5034	LA-4032
Sampled Channels	34	32
High Input Impedance	200K (C=10p)	
Input Voltage Range	-60V~60V	
Logic Threshold Range	-6V~6V	
Max. Sample Rate	500MHz	400MHz
Max. Input Signal Bandwidth	150MHz	
Min. Time Resolution	2ns	
Sample Depth	2KSample	64MSample
Storage Depth	68Kbits	2Gbits
"Max. Record Time (Compression Mode)"	10hour	
"Max Sample Rate(Compression Mode)"	200MHz	
Trigger's Max. Rate	250MHz	
Compatible Input	TTL,LVTTL,CMOS,LVCOMS,ECL,PECL,EIA	
Electrostatic Protected	15KV	
Power	USB Port	
Temperature Range	-10℃~60℃	
Dimension	Length: 200mm Width: 150mm Height: 25mm	
Weight	0.5 KGS	
Accessories	1set 6-Way Universal Breakout Cords, 1pc 2-plugs USB cable, 1set Little Test Hook	1set 6-Way Universal Breakout Cords, 1pc 2-plugs USB cable

Powerful Function



LA5034 Main Interface



Trigger Setting Window

Automotive Diagnostic Equipment

Vehicle Diagnosis, 4CH, 60MHz

DSO3064Kits



Feature

- Vehicle Diagnosis: First Diagnosis(Cracking Exhaust Diagnosis), Ignition Action(Current/Voltage), The Sensor(Air Flow Meter, Camshaft, Crankshaft...), Bus Diagnosis(CAN Bus Data View), Performer(Petrol/Diesel), Startup & Charge(Charging Circuits Current/Voltage).
- 4 Channels and EXT trigger, 60MHz Bandwidth.
- 200MSa/s real-time sampling rate, 10k--16M memory depth per Channel.
- Frequency Counter, FFT spectrum analysis.
- 8--36V Wide range of input voltage, suitable for vehicle power.
- USB 2.0 interface plug and play, LAN and WIFI optional.
- More than 20 kinds of automatic measurement function, PASS/FAIL Check function, is suitable for engineering application.
- Software Support: Windows NT, Windows 2000, Windows XP, VISTA, Windows 7.
- Supply DEMO code (VC/VB/LABVIEW) and technical support.

Specifications

Model	DSO3064	Kit III	Kit IV	Kit V	Kit VI
Horizontal	Analog Channels	4			
	Bandwidth	60MHz(-3dB)			
	Rise Time	5.8ns			
	Real-Time Sampling Rate	200MSa/s			
	Time Base Range	5ns/div to 1000s/div(1-2-5 sequences)			
Vertical	Time Base Precision	±50ppm			
	Input Impedance	Resistance: 1MΩ ; Capacitance: 25 pF			
	Input Sensitivity	10mV/div to 5V/div			
	Input Coupling	AC/DC/GND			
	Vertical Resolution	8 bits			
	Memory Depth	10K-16M/CH			
Trigger	Maximum Input	400V (DC+AC Peak)			
	Source	CH1, CH2, CH3, CH4, EXT			
	Mode	Edge, Pulse, Video, Alternative			
X-Y Mode	X-Axis Input	CH1/CH2/ CH3/CH4			
	Y-Axis Input	CH1/CH2/ CH3/CH4			
	Phrase Shift	Max. 3 degree			
Cursors and Measurement	Voltage Measurement	Vpp, Vamp, Vmax, Vmin, Vtop, Vmid, Vbase, Vavg, Vrms, Vcrms, Preshoot, Overshoot			
	Time Measurement	Frequency, Period, Rise Time, Fall Time, Positive Width, Negative Width, Duty Cycle			
	Cursors Measurement	Horizontal, Vertical, Track, Auto Measure Modes			
	Waveform Signal Process	+, -, x, +, FFT, Invert			
Auto Set		yes			
Voltage range		10mV to 5V/div @ x 1 probe			
		100mV to 50V/div @ x 10 probe			
		1V to 500V/div @ x 100 probe			
		10V to 5000V/div @ x 1000 probe			
		100V to 50000V/div @ x 10000 probe			
Current range		200mV to 100V/div @ 20:1			
Corsor		CC65(20A), CC65(60A), CC650, CC1100			
FFT		Time/frequency difference, voltage difference			
Math		Rectangular, Hanning, Hamming, Blackman Window			
Interface		Addition, subtraction, multiplication, division			
Power source		USB 2.0(Lan, WIFI Optional)			
Mechanics	8--36V Wide range of input voltage, suitable for vehicle power test				
	Dimension	255 x 190 x 45 (mm)			
Accessories	Weight	1Kg			
	PP-80	1	1	1	1
	Test Leads(HT30A)	2	2	4	4
	Auto Ignition Probe(HT25)	2	2	4	4
	20:1 Attenuator(HT201)	2	2	4	4
	Large Dolphin /Gator Clops(HT18A)	2	2	4	4
	Multimeter Probes(HT19)	2	2	4	4
	Acupuncture Probe Set (HT307)	1	1	1	1
	Coil-on-Plug extension lends (HT308)	NO	2	4	4
	Optional Power (HT310)	NO	1	1	1
	CC-65	NO	NO	NO	1

Automotive Diagnostic Equipment

Vehicle Diagnosis, 8CH, 12bits vertical resolution

DSO5080

Feature

- Highly efficient and cost-effective;
- More than 80 kinds of vehicle Diagnosis Function.
- 8 channels oscilloscope, 2.4MSa/s real time sampling rate
- 12 bits vertical resolution, spectrum analysis function
- 8 channels programmable generator
- USB 2.0 interface plug and play, and no need extra power supply;



Specifications

Model	DSO5080	
	Oscilloscope Mode	
Vertical	Analog Channel	8
	Input Impedance	Resistance: 1MΩ
	Input Sensitivity	10mV/div to 5V/div
	Max. Input	400V (DC+AC Peak)
	Input Coupling	DC
Horizontal	Resolution	12 bits
	Memory Depth	4K
	Real-Time Sampling Rate	2.4MSa/s
	Time Base Range	1ns/div to 20000s/div(1-2-5 sequences)
Trigger	Time Base Precision	±50ppm
	Source	CH1, CH2, CH3, CH4, CH5, CH6, CH7, CH8
X-Y Mode	Mode	Edge
	X-Axis Input	CH1/CH2/ CH3/CH4/CH5/CH6/CH7/CH8
Cursors and Measurement	Y-Axis Input	CH1/CH2/ CH3/CH4/CH5/CH6/CH7/CH8
	Voltage Measurement	Vpp, Vamp, Vmax, Vmin, Vtop, Vmid, Vbase, Vavg, Vrms, Vcrms, Preshoot, Overshoot
	Time Measurement	Frequency, Period, Rise Time, Fall Time, Positive Width, Negative Width, Duty Cycle
Waveform Signal Process	Cursors Measurement	Horizontal, Vertical, Track, Auto Measure Modes
		+,-, x,+, FFT, Invert
Voltage Range		10mV to 5V/div @ x 1 probe
		100mV to 50V/div @ x 10 probe
		1V to 500V/div @ x 100 probe
		10V to 5000V/div @ x 1000 probe
		100V to 50000V/div @ x 10000 probe
Current Range		200mV to 100V/div @ 20:1
		100mA to 50.0A/div @ CC65(20A)
		1000mA to 500.0A/div @ CC65(65A)
		1A to 100.0A/div @ CC650(60A)
		10A to 1000.0A/div @ CC650(650A)
Cursor FFT Math		1A to 200.0A/div @CC1100(100A)
		10A to 2000.0A/div @CC1100(1100A)
		Time/frequency difference, voltage difference
		Rectangular, Hanning, Hamming, Blackman Window
		Addition, subtraction, multiplication, division
Programmable Generator		
Channel		8
Output Level		5V COMS
Frequency Range		0-250kHz
Interface		USB 2.0
Power		No need extra power supply
Mechanical	Size	185 x 150 x 27 (mm)
	Weight	0.35kg

Test Accessories



AC/DC Current Clamp CC-65



AC/DC Current Clamp CC-650



AC/DC Current Clamp CC-1100



20:1 Attenuator (HT201)



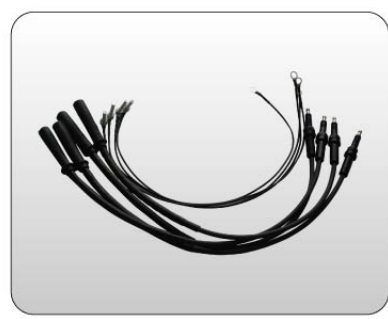
Oscilloscope Probe



little test hook(HT321)



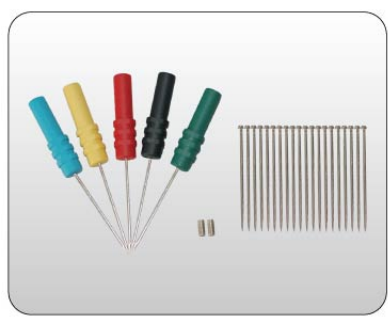
Auto Ignition Probe(HT25)



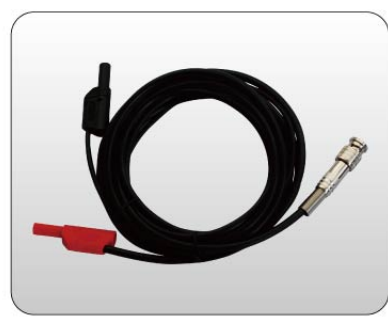
Coil-on-Plug extension leads(HT308)



BNC to 4 mm Adapter (HT311)



Acupuncture Probe Set (Needle 307)



Test leads(HT30A)



BNC to BNC Cable with Earth Clamp (TA033)