

# **GDS-2000A Series**



300/200/100/70MHz Digital Storage Oscilloscope



# **FEATURES**

- 300/200/100/70MHz Bandwidth, 2 or 4 Input Channels
- 2GSa/s Maximum Real-Time Sampling Rate and 100GSa/s Equivalent Time Sampling Rate
- 2M points Maximum Record length
- VPO Technology to Display Less-Frequently-Occurred Signals
- Fast Update Rate of 80,000 Waveform Per Second
- Segmented Memory Acquisition and Waveform Search Function
- Standard Model Provides I<sup>2</sup> C, UART, SPI CAN and LIN Serial Bus Trigger and Analysis Functionality
- Optional 8 or 16 Additional Digital Channels with Logic Analyzer (MSO)
- Upgradable DVM, H-Expansion, Data Log and Advanced Logic Functionality
- Optional 5MHz Function Generator
- Flexible Remote Control Connectivity (Standard:USB;Optional:LAN/GPIB)



# **Every Acquisition is Key to Success**

# 2GSa/s Real-time Sampling Rate and up to 300MHz Bandwidth

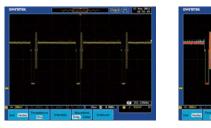
The GDS-2000A Series Digital Storage Oscilloscope offers 2 and 4-channel configurations and wide bandwidth selections, including 300MHz, 200MHz, 100MHz and 70MHz. Each model provides 2GSa/s maximum real-time sampling rate and 100GSa/s high-speed equivalent-time sampling rate. Equipped with an 8-inch 800 x 600 high-resolution TFT LCD display, 1mV/div to 10V/div vertical range and 1ns/div to 100s/div time base, the GDS-2000A Series is able to faithfully demonstrate waveforms of complicated and obscure signals.

# 2Mega Point Record Length, Waveform Search and Segmented Memory Functions

The GDS-2000A Series provides 2Mega point record length, and Waveform Search and Segmented Memory functions as standard features. The events of interest can be captured and saved into the Segmented Memory, which can be divided into 2048 sections, for observation, while the irrelevant waveforms can be ignored. Consequently, the overall efficiency of memory usage can be enhanced. Under Waveform Search mode, after the input signal is triggered, the GDS-2000A Series is able to Search and Mark the waveform sections, which comply with user-defined search condition and threshold level within the whole memory. Meanwhile, with Zoom window and Play/Pause button to browse through whole displayed waveform, the user can rapidly navigate all the waveforms in an efficient way.

# 80,000 wfm/s Waveform Update Rate and VPO Technique

The waveform update rate of 80,000wfm/s enables users to accurately acquire and examine inrush signals and elusive glitches without missing any detail. Attributed to the advanced signal processing technique, VPO (Visual Persistence Oscilloscope), the grayscale display of waveforms shown on GDS-2000A distinguishes the signals from one another according to their occurrence frequencies respectively.



Gray Mode

Color Mode

# Upgrade to Mixed Signal Oscilloscope (MSO)

The GDS-2000A Series provides the flexibility of easy conversion from a DSO into a MSO (Mixed Signal Oscilloscope) under a plugand-play concept. As two plug-in compartments are available at the rear panel to accommodate various plug-in modules, the GDS-2000A Series DSO with an 8 or 16 digital channels module performs MSO functions perfectly at the user's installation of the module. The analysis and decoding functions of parallel bus and serial bus such as I<sup>2</sup>C, SPI, and UART are supported after the module is installed. GDS-2000A is regarded as an effective tool in signal analysis, trouble diagnosis and defect debug.

# **Function Generator Option**

The plug-in module of DDS (Direct Digital Synthesis) based function generator is provided as an option of the GDS-2000A Series. The function generator, with 5MHz bandwidth, is able to generate Sine, Triangle and Square waveforms, with variable duty cycle of the square waveform. Two 5MHz function generators can be used at the same time to provide dual output signals. With the stimulus source, the verification of electrical characteristics and functionality of the DUT (Device Under Test) can be done in one DSO.

# **Design for Plugged-in Options**

Besides Logic Analyzer and Function Generator modules, the GDS-2000A series also provides optional LAN/SVGA Interfaces module and GPIB interface module for user's selection. The Modularized Structure offers a dramatic elasticity allowing user to upgrade the DSO with field-installable options after the purchase of the main body. Two modules can be used simultaneously as the maximum capacity of the GDS-2000A options, which include (1) 8-Channel Logic Analyzer (2) 16-Channel Logic Analyzer, (3) 5MHz DDS Function Generator (4) LAN/SVGA Interfaces Module, (5) GPIB Interface Module.

## PANEL INTRODUCTION





4 Channel Model



## 2 Channel Model

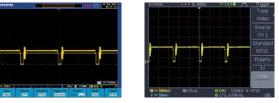
SELECTION GUIDE								
Model	GDS-2304A	GDS-2302A	GDS-2204A	GDS-2202A	GDS-2104A	GDS-2102A	GDS-2074A	GDS-2072A
Bandwidth	300MHz	300MHz	200MHz	200MHz	100MHz	100MHz	70MHz	70MHz
Channels	4	2	4	2	4	2	4	2
* Record Length	2M							
* Real-time Sampling	2 GSa/s							
Waveform Update Rate	80,000wfms/s							

\* 1M point record length and 1GSa/s real-time sampling rate per channel for full channel operation.

## A. GENERAL DESCRIPTION

With modern design concepts and up-to-date component technologies, the GDS-2000A Series DSO possesses a number of outstanding features, such as segmented memory, waveform search function, modularized logic analyzer and Function Generator. The aim of GDS-2000A design is to fit the requirements in embedded system development field and general application industries. As the GDS-2000A Series is a full-fledged DSO carrying a complete set of features, it is also a very useful tool to cover a broad range of educational applications related to signal analysis, trouble diagnosis and defect debugging in the electronic and electric fields.

#### \* 80,000 wfms/s Update Rate

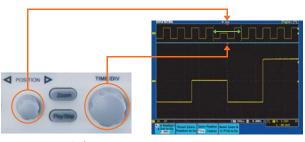


80,000 wfms/s

500 wfms/s

The waveform update rate of 80,000 wfms/s enables users to dynamically examine the jittery signal and elusive glitches without missing any detail. The concept is similar to the movie player. The faster movie player, which can bring more film images to the screen in a certain time interval, displays better visual effect than the slower ones. This is especially true when it comes to the replay of fast moving article.





Zoom Window

The GDS-2000A Series is equipped with Zoom Window feature which enables users to display the detailed zoomed waveform located by the Zoom Window. Under Zoom mode, the entire inbound waveforms and Zoom range cursors are displayed in the upper window, and the waveform details in the Zoom window are displayed in the bottom window. Users can tune the zoomed range by adjusting Time/Div selection, and pan the window by rotating the scrolling knob position.

## D. WAVEFORM SEARCH AND MARKERS



#### 2Mega point record length means that actually there are over thousands of waveform data points being processed and displayed in all times. Impact on engineers is how they can access the events of interest efficiently amongst the huge amount of data. the GDS-2000A Series offers the Search functions to accelerate the navigation over the whole waveform data so that the engineers can locate the events of interests with efficiency. The searching conditions of waveform are set by selecting Search Type and specifying the Threshold settings. All the complying

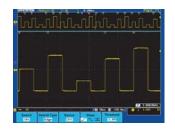
#### \* VPO

Attributed to the advanced signal processing technique, VPO, the grayscale display of waveforms shown on GDS-2000A Series distinguishes the signals from one another according to their occurrence frequencies respectively. Based on the same statistics technology used for grayscale display, the color mode can be selected to differentiate the occurrence frequencies among various waveforms on the screen.

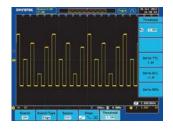
#### \* 2Mega Point Record Length

With the collaboration of 2Mega point record length, the 2GSa/s sampling rate can bring the waveform acquisition into full play. During a certain period, sufficient record length is necessary for the input signal to be acquired under a high sampling rate. The long memory gives the benefit of mass data acquisition, however, also brings up a challenge on how to quickly find the waveform sections or events of interest within the whole memory length.

## C. PLAY / PAUSE

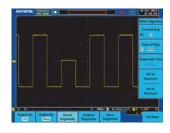


The Play/Pause button ( $\blacktriangleright$ /II) on the front panel can be controlled to automatically browse the entire inbound waveforms by moving the Zoom window across the display, which enables user to further investigate the events of interest. The browse speed and the rolling direction of the zoomed screen can be adjusted based on users' requirements. The rolling screen can be paused by pressing "pause" button. Collaborating with search markers, the Play/Pause function substantially facilitates the time-consuming task to locate and examine the events of interest at different spots within the whole memory.



waveforms will be marked and the total amount of events will be counted and displayed. User can use the forward or backward arrow key to navigate the events of interest from one to another. Press Set/Clear button to place (or clear) the marker on the waveform.

There are four search types including Edge, Pulse Width, Runt and Rise/ Fall Times to be selected. Additional type of Bus can be selected in case that the digital channel is equipped.



In the system and circuit development, engineers spend most of their time and resource on diagnosis and troubleshooting with DSO. In many cases, only small part of waveform data is of the real concern. Consequently, the efficiency of memory space utilization has been raised- if DSO only processes the concerned waveforms and ignores the irrelevant ones- , which means more data can be processed within the 2Mega memory.

The GDS-2000A Series possesses advantages of Segmented Memory as mentioned above. When being activated, the 2M memory is divided into a number of segments specified by the user. According to the trigger



condition, 1k point data will be stored in each segmented memory. The maximum amount of segments is up to 2,048 with 8ns resolution. This is useful for analyzing the serial bus decoding, pulse, jitter glitch, runt, and inrush waveforms.

Repeatedly press the Play/ Pause button (  $\blacktriangleright$  / II ) key can play the segment from the first to the last, as well as pause and replay backwards. Controlling the Variable scrolling knob facilitates the playing speed, therefore, the users can make a swift jump to one particular segment among all. Moreover, Segment Analysis can be used for statistics analysis.

## F. MIXED SIGNAL OSCILLOSCOPE (MSO)



Logic Analyzer Module

UART will be processed after the module installation.

With a plug-in 8 or 16 digital channels module, a 12 or 20-channel MSO

can be upgraded from DSO by on-site installation. The analysis and

decoding functions of parallel bus and serial bus such as I<sup>2</sup>C, SPI, and





Besides, it can measure digital and analog signal of embedded circuit design under an appropriate triggering mode. This further analyzes whether the timing sequence is correct or not.

## G. COMPLETE TRIGGER FUNCTIONS AND 36 AUTOMATIC MEASUREMENTS

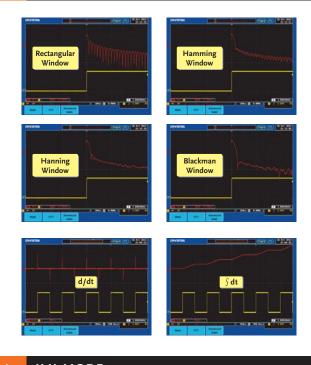
			Type
			Edge
			PulseWell
		an Rord ar Lifet	Video
F		the Lage	Citives Pulse Rust

The GDS-2000A Series offers abundant trigger functions. In addition to the Edge, Delay, Pulse Width, Alternate, Single, Rise & Fall Time Trigger, the GDS-2000A Series also provides Video and Runt Trigger. The analysis and decoding functions of parallel bus and serial bus such as I<sup>2</sup>C, SPI, and UART are supported after the 8 or 16 digital channels module is installed. Complete Trigger Functions make the GDS-2000A Series a powerful tool in its class for capturing and analyzing any kind of signals.



The GDS-2000A Series offers up to 36 waveform measurements, including voltage/current, time/frequency, and delay measurements. 8 out of 36 measurements can be selected to simultaneously display on one single screen. With statistics mode, users can analyze mean, maximum, minimum, and standard deviation of the captured waveform. With the great amount of the analyzing statistics, users may ensure the integrity of the signal and the abnormal waveforms.

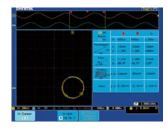
## H. FFT AND MATH OPERATION FUNCTIONS



The FFT (Fast Fourier Transform) function of the GDS-2000A Series supports Rectangular, Hamming, Hanning, and Blackman Window Functions. Users can choose one window function based on the input signal type and the specific application. In order to provide the best observation condition, the zoom-in and shift functions for both horizontal and vertical axis are designed to be adjustable. Besides, the vertical unit is selectable among dBuV RMS and Linear RMS as well.

In addition to the general math operations, the advanced math operation like integral, derivative and square root are provided to predict or simulate the behaviors of integrator, differentiator and square root circuit for input signal to fulfill the applications of research and development.

## X-Y MODE



The X-Y mode of GDS-2000A Series defines CH1 and CH3 as the horizontal axis and CH2 and CH4 as the vertical axis, allowing the display of 2 sets of X-Y patterns simultaneously. The measurement items include Rectangular, Polar, Product, and Ratio that fits most of the popular X-Y applications. Dissimilar from traditional oscilloscopes, the GDS-2000A Series can concurrently display input signal and X-Y measurement results on the screen. The applications of X-Y mode include Lissajous figure plot, and IQ constellation diagram.

## DIGITAL VOLTAGE METER



The DVM has functionalities of three digits voltage meter and five digits frequency counter, it allows multi-testing of DC voltage, RMS DC voltage, AC voltage and frequency. Frequently, monitoring voltage and triggering and measuring digital signals concurrently while conducting the diagnosis and debugging of system circuit pose a tremendous challenge to R&D engineers.

### FREE REMOTE CONTROL SOFTWARE



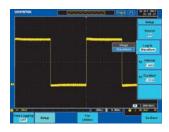
Using a USB port accommodated with FreeWave remote monitoring software is the convenient way to capture data from the GDS-2000A Series. With FreeWave, a screen shot can be saved as an image file (.bmp/.jpg), waveform data (.csv). Not only can FreeWave monitor and record waveforms over a long period of time, but previous recorded waveforms can also be examined. Thus, instrument settings can be configured without the need to learn incomprehensible command line syntax. Free Wave enables the users to reach measurement goals of remote control without tedious procedure.

## . H-EXPANSION



H-Expansion function can help engineers moving trigger point to any position on the screen and expand the fixed point. Users can observe expanded waveforms in great detail without missing the observation of the trigger point.

## M. DATA LOG APP



After installing the DataLog software, users can observe waveform variation for a long period of time to ensure products' reliability. DataLog function allows users to set data storage timeframe and interval based upon their test requirements. Data storage can be waveforms or the CSV file for each channel. Data can be stored in USB, GDS-2000A or the remote site computer via LAN.

## N. ADVANCED LOGIC APP



In the logic circuit analysis, "OR", "AND", "NOR", and "NAND" four logic analyses are required and the most fundamental. Users can download and install, free-of-charge, the Advanced Logic software to their GDS-2000A equipped with logic analyzer to enhance the logic trigger and analysis function of digital circuits.

## O. CAN/LIN BUS TRIGGER AND ANALYSIS


**CAN Bus Trigger and Decoding Function** 

CAN Bus and LIN Bus are the most popular standard bus protocol for automobile electronics. Users can download for free the CAN/LIN Bus trigger and analysis software from the GW Instek website to elevate the software analysis capability of GDS-2000A logic analyzer. CAN bus

The Transford Management

LIN Bus Trigger and Decoding Function

transmission is often used in the electronic signal transmission for security systems. LIN bus is often seen in the control and operation for peripheral electronics equipment. Users can greatly increase the R&D efficiency of automobile electronics via the software installation.

## P. VARIOUS INTERFACES SUPPORT



Two standard USB interfaces located at both front panel and rear panel are used for easy access of stored data. USB device port at the rear panel is available for remote control or a hardcopy print-out through a PictBridge compatible printer. SVGA/LAN interfaces module (option),

and GPIB interface module (option) are provided for ATE applications. SVGA video output (on the same card with LAN) allows the screen image being transferred to external projector or large display screens.

SPECIFICATION		GDS-2072A	GDS-2074A	GDS-2102A	GDS-2104A	GDS-2202A	GDS-2204A	GDS-2302A	GDS-2304/
VERTICAL SENSITIVITY	Channels	2Ch+EXT	4Ch+EXT	2Ch+EXT	4Ch+EXT	2Ch+EXT	4Ch+EXT	2Ch+EXT	4Ch+EXT
	Bandwidth Calculated Rise Time Bandwidth Limit	5ns	C~70MHz(-3dB)   DC~100MHz(-3dB)   DC~200MHz(-3dB)   DC~300MHz(-3dB)     5ns   3.5ns   1.75ns   1.17ns     20MHz   20MHz   20M/100MHz   20M/100MHz					7ns	
	Vertical Resolution Input Coupling Input Impedance DC Gain Accuracy(**)	8 bits@1M : $1mV^{-10V}$ (*: When the vertical scale is set to $1mV$ /div, the bandwidth limit will be set to 20MHz automatically) AC, DC, GND $1M \Omega / / 16pF$ approx. $\pm (3\% X  Readout  + 0.1div + 1mV)$ when $2mV$ /div or greater is selected ; $\pm (5\% X  Readout  + 0.1div + 1mV)$ when $1mV$ /div is : (**: The measurement type is average of $\geq 16$ waveforms with vertical position at zero)							
	Polarity Maximum Input Voltage Offset Position Range Waveform Signal Process Normal , Invert   Waveform Signal Process Normal , Invert   State Normal , Invert   Maximum Input Voltage Normal , Invert   More and the position Range Normal , Invert   Waveform Signal Process Normal , Invert   Maximum Input Voltage Normal , Invert   Maximum Input Voltage Normal , Invert   More and the position Range Normal , Invert   Waveform Signal Process Normal , Invert   Maximum Input Voltage Normal , Invert   Manning, or Blackman-Harris.						,	mming,	
TRIGGER	Source Trigger Mode Trigger Type Trigger Holdoff Range Coupling Sensitivity	Auto (Support Edge, Pulse W Time out, Even 10ns ~ 10s AC, DC, LF rej. DC ~ 100MHz	CH1, CH2, CH3*, CH4*, Line, EXT, D0-D7 or D0-D15**; *four channel models only. **Logic analyzer option only. Auto (Supports Roll Mode for 100 ms/div and slower), Normal, Single Sequence Edge, Pulse Width(Glitch), Video, Pulse Runt, Rise & Fall(Slope), Alternate, Glitch Trigger, Duration Trigger, Slope Trigger, Time out, Event-Delay(1~65,535 events), Time-Delay(Duration;10ns~10s), Logic*, Bus*, *with DS2-08LA or DS2-16LA optio 10ns ~ 10s AC, DC, LF rej., Hf rej., Noise rej. DC ~ 100MHz Approx. 1div or 1.0mV ; 100MHz ~ 200MHz Approx. 1.5div or 15mV ; 200MHz Approx. 2div or 20mV						
EXT TRIGGER	Range Sensitivity Input Impedance	±15V DC ~ 100MHz 100MHz ~ 200 1MΩ±3%, ~10	$\pm 15V$ DC $\sim$ 100MHz Approx. 100mV 100MHz $\sim$ 200MHz Approx. 150mV ; 200MHz $\sim$ 300MHz Approx. 150mV 1M $\Omega \pm 3\%$ , $-16pF$						
HORIZONTAL	Time Base Range Pre-trigger Post-trigger Time Base Accuracy Real Time Sample Rate ET Sample Rate Record Length Acquisition Mode Peak Detection Average	Ins/div ~ 100s/div (1-2-5 increments); ROLL : 100ms/div ~ 100s/div 10 div maximum 1,000 div max ( depend on time base ) ±20 ppm over any≥ 1 ms time interval Max. : 2GSa/s 100GSa/s maximum for all models Max. : 2Mpts Normal, Average, Peak Detect, Single Sequence 2ns (typical) Selectable from 2 to 256							
X-Y MODE	X-Axis Input Y-Axis Input Phase Shift	Channel 1 ; Channel 3* ( * : four channel models only ) Channel 2 ; Channel 4* ( * : four channel models only ) ±3° at 100kHz							
CURSORS AND MEASUREMENT	Cursors Automatic Measurement Control Panel Function Auto Counter Autoset Save Setup Save Waveform	Amplitude, Time, Gating Available; Unit : Seconds(S), Hz(1/S), Phase (Degrees), Ratio(%) 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, LFF, LFF, Phase Cursors measurement 6 digits, range from 2Hz minimum to the rated bandwidth Single-button, automatic setup of all channels for vertical, horizontal and trigger systems, with undo Autoset 20set 24set							
DISPLAY SYSTEM	TFT LCD Type Display Resolution Interpolation Waveform Display Waveform Update Rate Display Display Graticule	800 horizontal Sin(x)/x & Equ Dots, Vectors,	rms per second YT ; XY	nixels (SVGA) mpling tence(16ms~10	ht) s), Infinite pers	istence			
INTERFACE	RS-232C USB Port Ethernet Port (LAN) SVGA Video Port GPIB Go/NoGo BNC Kensington Style Lock	DB-9 male cor USB 2.0 Full-s RJ-45 connecto SVGA output GPIB module 5V Max/10mA	nnector peed host port, or, 10/100Mbps (option) (option) .TTL open colle	with HP Auto-	peed device por MDIX (option) I Kensington-sty				
LOGIC ANALYZER (OPTION)	Sample Rate Bandwidth Record Length Input Channels Trigger Type Thresholds Threshold Selections Threshold Accuracy User-defined Threshold Range Maximum Input Voltage Minimum Voltage Swing Input Impedance Vertical Resolution	Edge, Pattern, Quad-D0 – D3 TTL, CMOS, Et ±100mV ±40V ±500mV 101kΩ probe to 1 bit	, D4 ~ D7 T CL, PECL, User I Dading 8 pF	rial bus (I <sup>2</sup> Ć, SP hresholds D8–E Defined		r (*: DS2-16LA or	nly)		
OPERATING ENVIRONMENT	Temperature	0°C ~ 50°C, Rela	tive Humidity≤8	0% at 40°C or be	low ;≤45% at 41	°C~50°C			
POWER SOURCE MISCELLANEOUS	Line Voltage Range Multi-Language Menu On-Line Help Time clock	Available Available	)V, 50Hz ~ 60H: , provide the da						
DIMENSIONS & WEIGHT	380(W) X 220(H) X 145(D			,					
Note : Three-year warrant	y, excluding probes & LCD d	isplay panel.			Speci	fications subject	to change with	nout notice. B	H-2000AGD4
ORDERING INF	ORMATION			OPTION DS21AN F			DE2 1/1 A	Channel La -in Au	s include -
				USZ-LAN Eth	ernet & SVGA output		D32-16LA (6	5-Channel Logic Analyze	.r includes

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ear warranty, excluding probes & LCD display panel.	Specifications subject to c	hange without notice. BH-2000AGD4BH
NG INFORMATION	OPTION DS2-LAN Ethernet & SVGA output	DS2-16LA 16-Channel Logic Analyzer includes
300MHz, 4-Channel, Digital Storage Oscilloscope 300MHz, 2-Channel, Digital Storage Oscilloscope 200MHz, 4-Channel, Digital Storage Oscilloscope 200MHz, 2-Channel, Digital Storage Oscilloscope	DS2-GPIB GPIB Interface DS2-FCN DDS Function Generator	16 Channel Logic Analyzer Card(GLA-16) 16-Channel Logic Analyzer Probe(GTL-16LA) DS2-08LA &-Channel Logic Analyzer : includes 8-Channel Logic Analyzer Card(GLA-08) 8-Channel Logic Analyzer Probe(GTL-08LA)
100MHz, 4-Channel, Digital Storage Oscilloscope 100MHz, 2-Channel, Digital Storage Oscilloscope 70MHz, 4-Channel, Digital Storage Oscilloscope 70MHz, 2-Channel, Digital Storage Oscilloscope	OPTION ACCESSORIES GTL-08LA & Channel Logic Analyzer Probe GTL-16LA TeChannel Logic Analyzer Probe GLA-08 & Channel Logic Analyzer Card GLA-16 16-Channel Logic Analyzer Card GLA-16 16-Channel Logic Analyzer Card	CCP-300   300kHz/200A Current probe     CCP-530   50MHz/30A Current probe     CCP-500   500kHz/150A Current probe     CCP-1030   100MHz/30A Current probe     CCP-1040   IMHz/70A Current probe
RIES CD x 1, Power cord x 1 0MHz (10:1/1:1) Switchable passive probe for GDS-2072A/2074A(one per channel) 50MHz (10:1/1:1) Switchable passive probe for GDS-2102A/2104A(one per channel)	CAK-003 50Ω Impedance Adapter CTL-232 RS-232C Cable, 9-pin, F-F Type, null modern, 2000mm CTL-246 USB Cable, USB 2.0, A-B Type, 1200mm CTL-248 CPIB Cable, Double Shielded, 2000mm CTL-0330, Acolloscope Poloca, SMHz 1: 1 Passive Probe, BNC(P/M) CDB-03 Oscilloscope Education & Training Kit	GCP-206P Power supply for current probe (2 input channel) GCP-425P Power supply for current probe (4 input channel) GCP-005 Soft Carnying Case GDP-025 25MHz High voltage differential probe GDP-100 100MHz High voltage differential probe

FreeWave software

#### User manual CD x 1, Power cord x 1

GDS-2304A

GDS-2302A GDS-2204A GDS-2202A GDS-2104A

GDS-2102A

GDS-2074A GDS-2072A ACCESSORIES

GTP-0708-4: 70MHz (10:1/1:1) Switchable passive probe for GDS-2072A/2074A(one per channel) GTP-150A-2: 150MHz (10:1/1:1) Switchable passive probe for GDS-2102A/2104A(one per channel) GTP-250A-2: 250MHz (10:1/1:1) Switchable passive probe for GDS-2202A/2204A(one per channel) GTP-350A-2: 350MHz (10:1/1:1) Switchable passive probe for GDS-2302A/2304A(one per channel)

GW		51	<b>EK</b>
Si	mply I	Reliab	le

USB driver ; LabView driver

Driver

FREE DOWNLOAD

PC Software