

MDO-2000A Series



300/200/100MHz Mixed-Domain Oscilloscope

FEATURES

- 300/200/100MHz Bandwidth Selections: 2 Channels
- Maximum Real Time Sampling Rate: 2 GSa/s
- MDO-2000A Equips with a Spectrum Analyzer MDO-2000AG Equips with a Spectrum Analyzer ; a Dual Channel 25MHz AWG
- Per Channel 20M Memory Depth and VPO Waveform Display Technology
- Waveform Update Rate up to 120,000 wfm/s
- 8 " WVGA TFT LCD
- MDO-2000AG Provides Frequency Response Analysis Function
- Maximum 1M FFT Provides Higher Frequency Domain Resolution Measurements
- High Pass, Low Pass and Band Pass Filter Functions
- 29,000 Segmented Memory Sections and Waveform Search Function
- I²C/UART/CAN/LIN Serial Bus Trigger and Decoding Functions
- Data Log Function is able to Track Signal Changes up to 1000 Hours
- Mask Test Function
- Network Storage Function



One Oscilloscope, Two Domains

MDO-2000A is an advanced version of MDO-2000E. The selectable bandwidth range is upgraded to 300MHz. The full bandwidth ranges include 300MHz, 200MHz and 100MHz. The sampling rate has upgraded to Max. 2GSa/s and the memory depth has also been upgraded to 20M/CH. Hence, the three major specifications of oscilloscopes have been improved. The new models of the series feature 2 channels including MDO-2000A and MDO-2000AG. The entire series offers the functions of oscilloscope and spectrum analyzer. On top of that, MDO-2000AG features a dual-channel 25MHz arbitrary waveform generator. The new generation MDO-2000A series provides better sampling rate and memory depth for users to obtain more realistic signal integrity, and higher bandwidth selections meet the measurement requirements of higher frequencies.

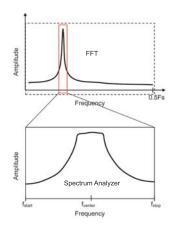
In addition to advanced oscilloscope specifications, the MDO-2000A series is also a dual-domain test platform. For frequency domain analysis, the spectrum analyzer measurement mode is provided to allow users to have frequency domain analysis with higher resolution. The FFT operation on the oscilloscope is limited by the horizontal level setting (sampling rate), and most oscilloscopes only provide 1k FFT points, so users often cannot get the correct frequency domain display. The frequency domain provided by MDO-2000A has an operation interface the same as the general spectrum analyzer. Its fast frequency domain update is like a real time spectrum analyzer. While operating the spectrum analyzer of MDO-2000A, users can input Center frequency, Span, Start frequency, and Stop frequency based upon test requirements so as to rapidly and intuitively observe required frequency range that allows users to experience the user interface of a real spectrum analyzer. While observing frequency domain display, engineers can observe waveform characteristics, which are not easily to be seen from time domain waveforms, for instance, the harmonic composition of a waveform and the frequency characteristics of a modulation signal.

The figure on the right shows why the resolution of the spectrum analysis is better than that of the FFT of the general oscilloscope. Therefore, using the frequency domain signal of the spectrum analysis, the frequency domain peaks and the components of each composition can be correctly captured, which is impossible for the general FFT. Conventional DSO's FFT always calculates the entire signal bandwidth up to half the sampling rate (Fs). However, the insufficient calculation capability can't conduct FFT calculation with more points. Users can't have the signal's detailed frequency information due to the insufficient frequency resolution from the calculation result. Whereas MDO-2000A analyzes signal spectrum of interest. The start frequency and stop frequency of the spectrum analyzer can be selected according to the characteristics of the test signal, so that the frequency domain signal can be displayed on the screen. Compared with oscilloscope' FFT, MDO-2000A series allows engineers to effectively conduct signal measurements on frequency domain. Right illustration shown the conventional DSO's FFT (above figure) VS. MDO-2000A's Spectrum analyzer (below figure).

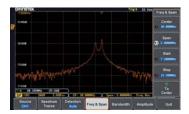
MDO-2000A's spectrum analyzer's frequency measurement range is from DC to 1GHz, which can meet the requirements of the low frequency test of audio and vibration. The general spectrum analyzer cannot measure the signals below 9kHz. The highest frequency of 1GHz is shown on the right. MDO-2000A uses a BNC Cable to connect to the RF Signal Generator to obtain the maximum 1GHz signal frequency. Although the 1GHz signal has attenuated in the time domain, the input signal can still be obtained in the frequency domain.

The spectrum analyzer of MDO-2000A can automatically adjust to the most appropriate sample rate according to users' input frequency range. The required data for calculation is also from the same sampling. By the tremendous calculation efficiency of Zynq SoC, a large amount of calculation can be done in a very short period of time. Therefore, MDO-2000A can complete a spectrum faster than a conventional spectrum analyzer. The screen display on the right shows the spectrum results of MDO-2000A's spectrum analyzer of FSK signal. The parameters of FSK signal: 500mVpp sine wave, fmax: 10.2MHz, fmin: 10.0MHz, bit rate: 10.0kHz. Users can directly input Center and Span Frequency by an intuitive and swift setting. Fmax and fmin can be clearly identified from the screen display.









When the same signal is tested by FFT (the left display was the result tested by Keysight DSOX2000A), most users do not know the correlation between the sampling rate of the time domain signal and the frequency of the DUT signal, so the FFT waveform display is not easy to adjust correctly. The slow update, time domain waveform overlapping with the frequency domain waveform, and most DSOs do not provide the search function together make it impossible to clearly analyze the frequency domain waveform and simultaneously measure the components of more than two modulated signals. FFT without RBW setting does not allow users to adjust the output waveform with the best resolution according to the characteristics of the actual waveform.

MDO-2000A's Spectrum Analyzer also includes Spectrum Trace Type settings (Normal, Max-hold, Min-hold, and Average). Users can freely select various Spectrum Traces for simultaneous display. Detection method (Sample, +Peak, -Peak, and Average) can be individually set for each Trace. Additionally, users, via Cursor, can manually mark the corresponding positions to reflect Frequency and Amplitude. The Search function can also be applied to log spectrum's Peak Table. Amplitude is displayed with dB and Marker can obtain measurement data. Display on the right is a FM signal's spectrum.

Users can use the Search function to search and mark several amplitudes and frequencies. Search methods include Max. peak and threshold. Measurement results can be displayed and saved.

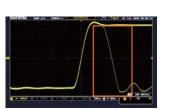
The display on the right shows the frequency domain display of the AM signal. Via the Search function, users can easily capture more than two spectral components

120,000wfm/s WAVEFORM UPDATE RATE AND VPO WAVEFORM DISPLAY TECHNOLOGY

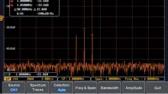
The MDO-2000A series oscilloscope allows users to easily and completely observe inrush signals and rare transient waveforms to increase waveform debugging efficiency by using features, including advanced VPO (Visual Persistence Oscilloscope) signal processing technology, waveform update rate as high as 120,000 wfm/s, and multi-layered afterglow display to enhance waveform display efficiency. Oscilloscope with VPO technology displays signals with

SUPPORT I²C, UART, CAN, LIN BUS TRIGGER AND DECODING FUNCTIONS

The serial bus technology has been widely applied in the present embedded application design. The IoT devices connecting sensors and the peripheral components are using serial bus such as UART, I^2C . To rapidly and correctly trigger and analyze serial bus data has posed a difficult challenge to engineers. The MDO-2000A series provides serial bus analysis function with 20M long memory depth. Users can trigger, decode, and analyze frequently used I^2C and UART serial bus and CAN/LIN bus, which is often used by automotive communications.







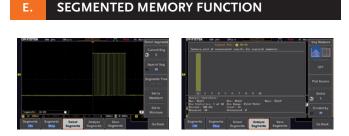


WAVEFORM SEARCH FUNCTION





Users can rapidly search desired waveforms according to the trigger condition. After activating the search function, hollow inverted triangles will show the location met the trigger condition. The upper left hand corner Overall will show the total number of waveforms met the trigger condition. Users can set waveform search by the trigger condition such as Edge, pulse width, Runt, Rise/Fall, and Bus. When the trigger condition is met, hollow inverted triangles will appear. Users can save all marks to compare with the next input signal. The front panel of the MDO-2000A series controls waveform zoom-out and play/pause function to swiftly identify each desired event. The function allows users to conveniently complete waveform search and save marks for rapid comparison and analysis.



Users Can Select "Analyze Segments" to Conveniently Obtain The Analysis Results.

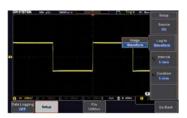
To achieve the most ideal application for memory depth, the MDO-2000A series has the built-in segmented memory function. The segmented memory function allows users to select the desired important signals for observation. Hence, insignificant signals can be neglected and serial bus decoding; pulse or inrush signals can be identified when retrieving signals. The segmented memory function of the MDO-2000A series allows users to select the number of sections. The maximum sections can be selected are 29,000. After activating the function, users can select and observe waveform for each segment by turning the Variable knob. The ultimate application of memory depth, therefore, is completely realized.

25MHz DUAL CHANNEL ARBITRARY WAVEFORM GENERATOR



With respect to signal source, MDO-2000AG features a built-in dual channel 25MHz arbitrary waveform generator with modulation capability and also provides 14 bits vertical resolution; sample rate of 200MSa/s; 13 output waveforms (Sine, Square, Pulse, Ramp, DC, Noise, Sinc, Gaussian, Lorentz, Exponential Rise, Exponential Fall, Haversine, Cardiac); and AM/FM/FSK modulation and sweep function. The friendly user interface is the ideal choice for education and applications such as circuit simulation tests. Arbitrary waveform generator provides users with 16k memory length. The arbitrary waveform can be edited through the PC software, and the edited arbitrary waveform (CSV file) can be recalled by the AWG function.

D. DATA LOG FUNCTION



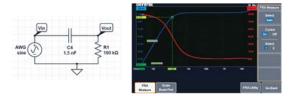
Users, via the data log function, can observe waveform changes in long periods of time to ensure product reliability or measure sporadically appeared signals. The data log function, based on the requirements, can set record time and interval. Record time can be selected from 5 minutes to 1000 hours, and record interval is 2 seconds, the minimum. Waveform type for record data and CSV file format for each channel can also be selected. Data can be stored in USB drive, the MDO-2000A series or the remote computer via LAN.

MASK FUNCTION



The MDO-2000A series provides the Mask function, which allows users to apply Auto Mask and user-defined Mask to determine whether the quality of the product meets the regulation. Via userdefined mask, users can set up to 8 areas and each area is up to 10 points to meet test requirements. Users can also refer to the examples from user manual to edit Mask by the PC to satisfy all test needs. By setting Save On, users can log and monitor signals, which violate test conditions.

H. PROVIDE FREQUENCY RESPONSE ANALYSIS (FRA) FUNCTION



* MDO-2000AG only

FRA (bode plot) has a very wide application range ,including product circuit and component performance verification and analysis, such as negative feedback networks of switch mode power supplies design (loop response), feedback of circuit design, filter design, amplifier design, resonant Circuit design, cable frequency response and signal transformer performance etc. The diagram above is a RC high pass filter. The -3dB cut-off frequency= $1.06kHz(F=1/2*\pi*R*C)$ and the measurement result is 1.1kHz which is quite close to the theoretical value. The frequency test range of FRA and the max. 90 points per decade of test point are higher than that of Keysight InfiniiVision 3000T's option. More points per decade allow users to get higher accurate test results.

PANEL INTRODUCTION



PC Software

Labview Driver PictBridge Compatible

Ethernet

1. Hardcopy Key

CE USB

- 2. Autoset, Run/Stop, Single & Default Keys
- 3. Search and Zooming Controls
- 4. Trigger Controls
- 5. Math, Reference & Bus Keys
- 6. Probe Calibration Output
- 7. USB Host Port
- 8. Option Key
- 9. Menu Off Key
- 10. USB Device Port
- 11. LAN Port
- 12. Go-NoGo Output
- 13. Calibration Output
- 14. Dual Channel Arbitrary Waveform Generator (MDO-2000AG only)

	SELECTION GUIDE							
Model	MDO-2302AG	MDO-2202AG	MDO-2102AG	MDO-2302A	MDO-2202A	MDO-2102A		
Bandwidth	300MHz	200MHz	100MHz	300MHz	200MHz	100MHz		
Channels	2	2	2	2	2	2		
Record Length	20M / ch	20M / ch	20M / ch	20M / ch	20M / ch	20M / ch		
Real-time Sampling Rate	Max. 2 GSa/s	Max. 2 GSa/s	Max. 2 GSa/s	Max. 2 GSa/s	Max. 2 GSa/s	Max. 2 GSa/s		
Built-in	MDO-2000A : Spectrum Analyzer MDO-2000AG : Spectrum Analyzer ; Dual Channel 25MHz Arbitrary Waveform Generator							

		MDO-2102A/G	MDO-2202A/G	MDO-2302A/G	
VERTICAL	Channels	2Ch+EXT	2Ch+EXT	2Ch+EXT	
SENSITIVITY	Bandwidth Calculated Rise Time Bandwidth Limit	DC~100MHz(-3dB) 3.5ns 20MHz	DC~200MHz(-3dB) 1.75ns 20M/100MHz	DC~300MHz(-3dB) 1.17ns 20M/100M200MHz	
	Vertical Resolution Input Coupling Input Impedance DC Gain Accuracy 8 bits : 1mV ~ 10V/div AC, DC, GND DC Gain Accuracy 1M Q// 16pF approx. ±(3% when 2mV/div or greater is selected ; ±(5%) when 1mV/div is selected Polarity Normal & Invert Maximum Input Voltage Offset Position Range Waveform Signal Process ImV/div : ±0.5V; 50mV/div ~ 200mV/div : ±5V; 500mV/div - 2V/div : ±25V; 5V/div~10V/div : ±250V + , × . +, FFT , Uesr Defined Expression FFT : 1Mpts ; FFT : Spectral magnitude. Set FFT Vertical Scale to Linear RMS or dBV RMS and FFT Window to Rectangular, F Hanning, or Blackman				
TRIGGER	Source Trigger Mode Trigger Type Trigger Holdoff Range Coupling Sensitivity	Ch1 ,CH2, Line, EXT Auto (Supports Roll Mode for 100 ms/div and slower), Normal, Single Sequence Edge, Pulse Width(Glitch), Video, Pulse Runt, Rise & Fall(Slope), Alternate, Time out, Event-Delay(1~65,535 events),Time-Delay(Duration;4ns~10s), Bus 4ns ~ 10s AC, DC, LF rej. , Hf rej. , Noise rej. 1div			
EXT TRIGGER	Range Sensitivity Input Impedance	±15V DC ~ 100MHz Approx. 100mV; 100MHz ~ 200MHz Approx. 150mV; 200MHz ~ 300MHz Approx. 150mV 1M Ω±3%, ~16pF			
HORIZONTAL	Time Base Range Pre-trigger Post-trigger Time Base Accuracy Real Time Sample Rate Record Length Acquisition Mode Peak Detection Average	1ns/div ~ 100s/div (1-2-5 increments); ROLL 10 div maximum 2,000,000 div maximum ±50 ppm over any≥1 ms time interval Max. : 2GSa/s (shared) Per Channel 20Mpts Normal, Average, Peak Detect, Single 2ns (typical) Selectable from 2 to 256	: 100ms/div ~ 100s/div		

Wake Input Phase ShiftChannel 2 3* at 100KHzCURSORS AND MEASUREMENTCursors Automatic MeasurementAmplitude, Time, Gating Available; Unit : Seconds(S), Hz(1/S), Phase (Degrees), Ratio(%) 38 est : ph-Rk, Max, Min, Amplitude, High, Low, Mean, Cycle Mean, RMS, Cycle Area, ROVShoot, FOVShoot, 89 est : ph-Rk, Max, Min, Amplitude, High, Low, Mean, Cycle Mean, RMS, Cycle Area, ROVShoot, FOVShoot, 89 est : ph-Rk, Max, Min, Amplitude, High, Low, Mean, Cycle Mean, RMS, Cycle Area, ROVShoot, FOVShoot, 89 est : ph-Rk, Max, Min, Amplitude, High, Low, Mean, Cycle Mean, RMS, Cycle Mean, ROVShoot, FOVShoot, 89 est : ph-Rk, Max, Min, Amplitude, High, Low, Mean, Cycle Mean, RMS, Cycle Area, ROVShoot, FOVShoot, 89 est : ph-Rk, Max, Min, Amplitude, High, Low, Mean, Cycle Mean, RMS, Cycle Area, ROVShoot, FOVShoot, 89 est : ph-Rk, Max, Min, Amplitude, High, Low, Mean, Cycle Mean, RMS, Cycle Area, ROVShoot, FOVShoot, 89 est : ph-Rk, Max, Min, Amplitude, High, Low, Mean, Cycle Mean, RMS, Cycle Area, ROVShoot, FOVShoot, 89 est : ph-Rk, Max, Min, Amplitude, High, Low, Mean, Cycle Mean, RMS, Cycle Area, ROVShoot, FOVShoot, 89 est : ph-Rk, Max, Min, Amplitude, High, Low, Mean, Cycle Mean, RMS, Cycle Area, ROVShoot, FOVShoot, 80 hot into the Start 480 vertical pixels (VVCCA) 80 hot into the Start 480 vertical pixels (VVCCA) 80 hot into the 30 hot int					
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FUNCTION Autoset Save Stup Save Stup Save Stup Single buttle, Single buttle, Save Stup Single buttle, Save Stup Single buttle, Save Stup Single buttle, Save Stup DISPLAY SYSTEM If TI LCD Type Display Mode Display Mode Dis			38 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,		
Dipping Resolution Interpolation Waveform Dipping Waveform Dipping Waveform Dipping Waveform Dipping Dipping Mode Dipping Dipping		Autoset Save Setup	Single-button, automatic setup of all channels for vertical, horizontal and trigger systems, with undo Autoset 20 sets		
Ethemate Fore (LAN) GA/NGG BNCC (Apolyce BNC) (Apolyce BNC) (Ap	DISPLAY SYSTEM	Display Resolution Interpolation Waveform Display Waveform Update Rate Display Mode	800 horizontal x 480 vertical pixels (WVGA) Sin(x)/x Dots, Vectors, Variable persistence(16ms~4s), Infinite persistence 120,000 waveforms per second, maximum YT ; XY		
ANALYZER Spin Iht/2 - 1GH2(Max.) Resolution Bandwidth Reference Level -50 dBm to +40dBm in steps of 5dBm Vertical Position -12divs to +12divs -50 dBm to +40dBm in steps of 5dBm Vertical Position -12divs to -12divs -50 dBm to +40dBm in steps of 5dBm Vertical Position -12divs to -12divs -12divs to -12divs Vertical Scale Level Spin/user RMS; dBm -12divs to -12divs Spurious Response FFT Factor : Hanning 1.42; Rectangular 0.89; Hamming 1.30; Blackman 1.68 AWC Channels 2 SPECIFICATIONS Sample: Resolution 2 AWC Channels 2 Output Resolution 2 200 Msa/s Vertical Resolution 2 200 Msa/s Variau Resolution 2.5 Variat(b, HHz 2; Hammonic Distortion: 400 Bc Output Resolution 2.5 Variat(b, HHz 2; Hammonic Distortion: 400 Bc Output Resolution 2.5 Variat(b, HHz 2; Hammonic Distortion: 400 Bc Sine, Square, Pulse Ramp, DC, Noise, Sinc, Gaston, Lorentz, Exponential Rise, Exponential Fall, Haversine, Cardiac Output Resolution 1mV Vertical Resolution 1mV Vertical Resolution 1mV	INTERFACE	Ethernet Port (LAN) Go/NoGo BNC	RJ-45 connector, 10/100Mbps with HP Auto-MDIX 5V Max/10mA TTL open collector output		
AWG SPECIFICATIONS SPECIFICATIONS Generative Resolution Max. Frequency 200 Msa/s 200 Msa/s 200 Msa/s 200 Msa/s 14 bits 25 MHz 25 MHz 25 MHz 25 MHz 20 Output Resolution Output Resolution 14 bits 20 Misa/s 20 m/bp to 5 Vpp, High Z; 10 mVpp to 2.5 Vpp, 50 Ω 0 mVpt Resolution 1mV 2% (1 kHz) 2% (1 kHz) Offset Resolution 1mV Sine 25 Vac+dc, High Z; ±1.25 V ac+dc, 50 Ω 1mV Frequency Range: 100mHz-25MHz; Flatness(relative to 1kHz): ±0.5 dB<15MHz; ±1 dB 15MHz-25MHz; Harmonic Distortion: 40 dBc; Stray(Non-harmonic): 40 dBc; Total Harmonic Distortion: %; 5/N Ratio: 40 dB Sine Stray(Non-harmonic): 40 dBc; Total Harmonic Distortion: %; 5/N Ratio: 40 dB Frequency Range 100mHz-15MHz; Hise/Fall time : <15ms; 0vershoot : <3%; Duty cycle Square : 50% & Pulse : 0.4%-99.6%; Min.	ANALYZER	Span Resolution Bandwidth Reference Level Vertical Units Vertical Dosition Vertical Scale Display Average Noise Level Spurious Response Frequency Domain Trace Types Detection Methods	1 kHz ~ 1GHz(Max.) 1 Hz ~ 1MHz(Max.) -50 dBm to +40dBm in steps of 5dBm dBV RMS; Linear RMS; dBm -12divs to +12divs 1dB/div to 20dB/div in a 1-2-5 Sequence 1V/div < -50dBm, Avg : 16 ; 100mV/div < -70dBm, Avg : 16 ; 10mV/div < -90dBm, Avg : 16 2nd harmonic distortion< 40dBc ; 3rd harmonic distortion< 45dBc Normal ; Max Hold ; Min Hold ; Average Sample ; +Peak ; -Peak ; Average		
FREQUENCY RESPONSE ANALYSIS (MDO-2000AG only) Dynamic Range Input and Output Sources Frequency Range Number of Test Points > 80 dB (typical) Channel 1 or 2 20 Hz to 25 MHz 10 to 90 points per decade 20 mVpp to 5 Vpp into High-Z ; Fixed test amplitude or custom amplitude for each decade Logarithmic overlaid gain and phase plot Two pairs of tracking gain and phase markers Plot Scaling MISCELLANEOUS Line Voltage Range Multi-Language Menu On-Line Help Time Clock Operation Environment Dimensions & Weight AC 100V - 240V, 50Hz - 60Hz, auto selection Available Time and date, provide the date/time for saved data Temperature: 0°C to 50°C. Relative Humidity: <80% at 40°C or below; <45%, 41°C ~ 50°C	SPECIFICATIONS	Channels Sample Rate Vertical Resolution Max. Frequency Waveforms Output Range Output Resolution Output Accuracy Offset Range Offset Resolution Sine	14 bits 25 MHz Sine, Square, Pulse, Ramp, DC, Noise, Sinc, Gaston, Lorentz, Exponential Rise, Exponential Fall, Haversine, Cardiac 20 mVpp to 5 Vpp, High Z; 10 mVpp to 2.5 Vpp, 50Ω 1mV 2% (1 kHz) ±2.5 V ac+dc, High Z; ±1.25 V ac+dc, 50Ω 1mV Frequency Range: 100mHz-25MHz; Flatness (relative to 1kHz): ±0.5 dB<15MHz; ±1 dB 15MHz-25MHz; Harmonic Distortion: -40 dBc; ;		
Multi-Language Menu Available On-Line Help Available Time Clock Time and date, provide the date/time for saved data Operation Environment Temperature: 0°C to 50°C. Relative Humidity: <80% at 40°C or below; <45%, 41°C ~ 50°C	RESPONSE ANALYSIS	Dynamic Range Input and Output Sources Frequency Range Number of Test Points Test Amplitude Test Results Manual Measurements	Channel 1 or 2 20 Hz to 25 MHz 10 to 90 points per decade 20 mVpp to 5 Vpp into High-Z ; Fixed test amplitude or custom amplitude for each decade Logarithmic overlaid gain and phase plot Two pairs of tracking gain and phase markers		
Note : Three-year warranty, excluding probes & ICD display panel. Specifications subject to change without notice. MD02000AGD1	MISCELLANEOUS	Multi-Language Menu On-Line Help Time Clock Operation Environment	Available Available Time and date, provide the date/time for saved data Temperature: 0°C to 50°C. Relative Humidity: ≤80% at 40°C or below; ≤45%, 41°C ~ 50°C		
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ORDERING INFORMATION

GRA-426 Rack Adapter Panel GAK-003 50Ω Impedance Adapter GSC-008 Soft Carrying Case GTL-246 USB Cable, USB 2.0, A:B Type, 1200mm GCP-020 Current Probe, 40Hz-40kHz, 240A, Current Probe GTP-033A Oscilloscope Probe, 35MHz 1:1 Passive Probe CDB 025 Differential Brobe, 25M High Voltage MDO-2302AG 300MHz, 2-channel, Digital Storage Oscilloscope, Spectrum Analyzer, dual channel 25MHz AWG MDO-2202AG 200MHz, 2-channel, Digital Storage Oscilloscope, Spectrum Analyzer, dual channel 25MHz AWG GCP-300 300kHz/200A Current probe 50MHz/30A Current probe 500kHz/150A Current probe GCP-530 GCP-500 MDO-2102AG 100MHz, 2-channel, Digital Storage Oscilloscope, Spectrum Analyzer, dual channel 25MHz AWG GCP-1030 GCP-1000 100MHz/30A Current probe 1MHz/70A Current probe MDO-2302A 300MHz, 2-channel, Digital Storage Oscilloscope, Spectrum Analyzer MDO-2202A 200MHz, 2-channel, Digital Storage Oscilloscope, Spectrum Analyzer GCP-206P Power supply for current probe (2 input channel) MDO-2102A 100MHz, 2-channel, Digital Storage Oscilloscope, Spectrum Analyzer Current Probe - Power Supply, 4 Channel Power Supply for GCP-530/1030 GDP-025 Differential Probe, 25M High Voltage GCP-425P ACCESSORIES Differntial Probe User manual CD x 1, Power cord x 1, GDP-050 Differential Probe, 50M High Voltage Differntial Probe GTL-110 BNC-BNC cable x 2 (only on MDO-2000AG) GTP-100B-4 : 100MHz(10:1/1:1) Switchable passive probe for MDO-2102A/2102AG(one per channel) GTP-200B-4 : 200MHz(10:1/1:1) Switchable passive probe for MDO-2202A/2202AG(one per channel) FREE DOWNLOAD Driver USB driver ; LabView driver

Global Headquarters

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GOOD WILL INSTRUMENT (SUZHOU) CO., LTD. T +86-512-6661-7177 F +86-512-6661-7277

GTP-300B-4 : 300MHz(10:1/1:1)Switchable passive probe for MDO-2302A/2302AG (one per channel)

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Simply Reliable

