



ADS1000 Series Digital Storage Oscilloscopes

CHARACTERISTIC

- The volume exquisite and it is convenient for carrying.
- Use Colored TFT LCD, the waveform display is clearer and stable.
- Dual channel-channel bandwidth: 25MHZ-100MHZ.
- The real time sampling rate is 500MSa/s.
- Memory depth of ADS1000 is 4K and that of ADS1000M is 2M.
- Trigger Modes: Edge, Pulse, Video, Slope, Alternative and Delay trigger modes.
- Unique Digital Filter function and Waveform recorder function
- Pass/Fail function
- Thirty two parameters Auto measure function.
- Cursor measure covers Manual mode, Track mode and Auto mode.
- Channel waveform and it's FFT waveform display on split screen.
- Pop-up Menu display pattern is more convenient for users using it.
- Multiple Language User Interface.
- Support Multilingual online help system

Distributed by



SHENZHEN ATTEN ELECTRONICS CO., LTD.

Building A29, TangLang Industrial Zone, Xili, Nanshan, Shenzhen
Tel: +86-755-8602 1372 Fax: +86-755-8602 1337
Http: www.atten.com.cn Postcode: 518055



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ADS1000 Series Digital Storage Oscilloscopes



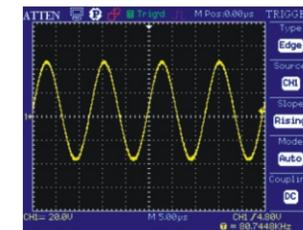
SUMMARY

Ultra thin outward appearance design and internationalization research and development idea made ADS1000 series products with more powerful performance and more friendly operation!

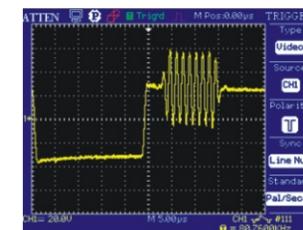
The ADS1000 series product volume exquisite, operation is flexible; Colored TFT LCD display and pop-up menu pattern manifests its user friendly; Rich trigger ways can meet a user more extensive need; Multiple Languages User Interface will be develop the ADS1000 series product international market.

Abundant Trigger Function

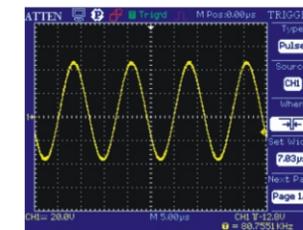
ADS1000 series products have rich trigger modes: Edge, Pulse, Video, Slope, Alternative and Delay trigger mode, which satisfy with users more extensive needs. Alternative trigger mode is usually used to observing two non-correlated signals at the same time and users can select different trigger mode for two channels, which is a kind reproduction that analog oscilloscope function in the digital oscilloscope.



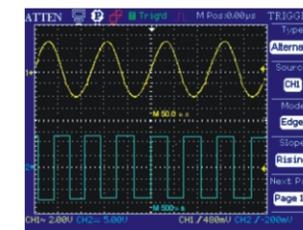
Edge trigger



Video trigger



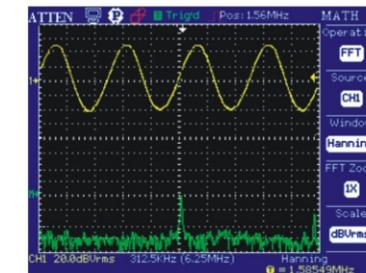
Pulse trigger



Alternative trigger

FFT Waveform Split Display Function

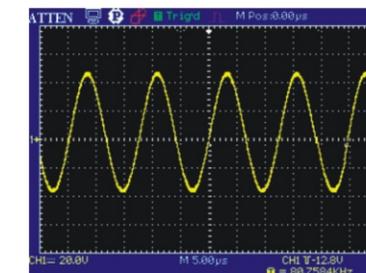
FFT waveform and its Channel waveform can display on split screen at the same time. In split display mode, the screen is divided into two parts and each part is divided eight divides in vertical direction. That is similar to under the entire screen pattern simultaneously to observe two waveforms. This way will make users observe waveforms to be clearer and convenient.



FFT waveform split display

Pop-up Menu Display Mode

ADS1000 series use pop-up menu display mode. The menu may hide as necessary make waveforms display on 12 divides full screen. Comparing with other same level digital oscilloscopes, this kind of pattern is more flexible, the user operation is more convenient and users can observe waveforms clearly.



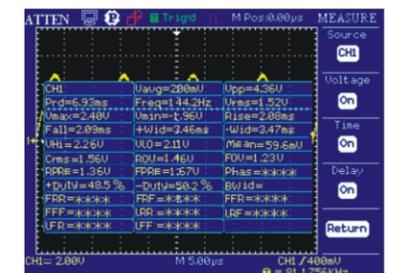
12 divides full screen display

Multi-country Language User Interface Display function

ADS1000 series product has 11 languages user interface display function: Simplified Chinese, Traditional Chinese, English, Arabic, French, German, Russian, Spanish, Portuguese, Japanese and Korean, which has further developed the ADS1000 series product international market and has laid the foundation for ADS1000 series making for the international well-known brand products.

Auto Measure Function

ADS1000 series can auto measure thirty two parameters, which is most in the same level digital oscilloscopes. Auto measure function can eliminate user error consumedly, and users will measure parameters what they need faster and more accurately using it. ADS1000 series also have a all measurement function that displays all the waveform parameters on the screen according to measure kinds, and users can ready measure parameters value expediently. So ADS1000 series are your most perfect measure tools in current market.

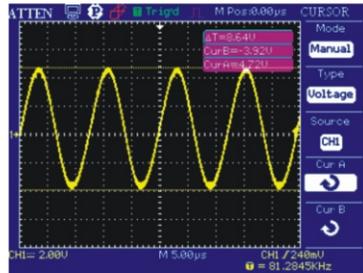


32 parameters auto measure function

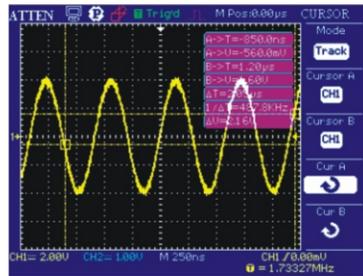


Cursor Survey Function

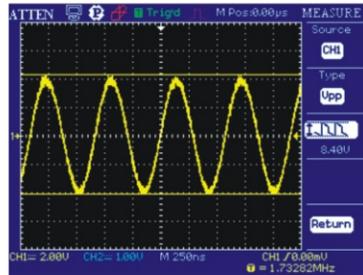
ADS1000 series cursor survey function has three kinds of modes: Auto manual mode, Track mode, Auto mode. The user may according to own need to choose the survey pattern nimble, thus with ease read measure results from the top right of the screen or experience completely automatic intelligent design pattern.



Manual mode



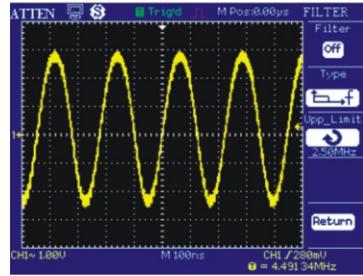
Track mode



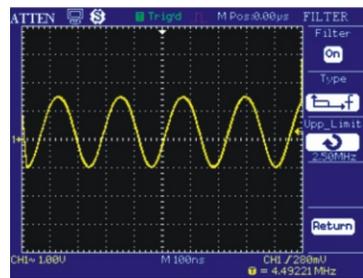
Measure mode

Digital Filter Function

ADS1000 series provide a digital filter function, and users can use it setting upper limit and lower limit of frequency to reduce signal noise and filter error signal. So they can observe their interested signals distinctly, which will advance users' work efficiency consumedly.



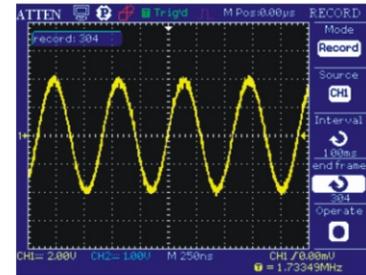
Turn off digital filter function



Turn on digital filter function

Waveform Recorder Function

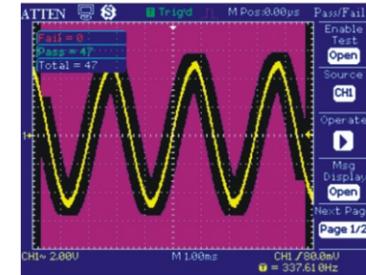
Using this function, Users can continue record data of their need signals as the form of frame. Waveform recorder can record input waveform from CH1 and CH2, with maximum record length of 1500 frames. This record behavior can also be activated by the pass/fail test output, which makes this function especially useful to capture abnormal signals in long term without keeping an eye watching it.



Waveform recorder function

Pass/Fail Function

Users may use the Pass/Fail function which the ADS1000 series provides to carry on the product test. Through a series of setups, the oscilloscope can output the test result automatically which enhanced the product production efficiency greatly.



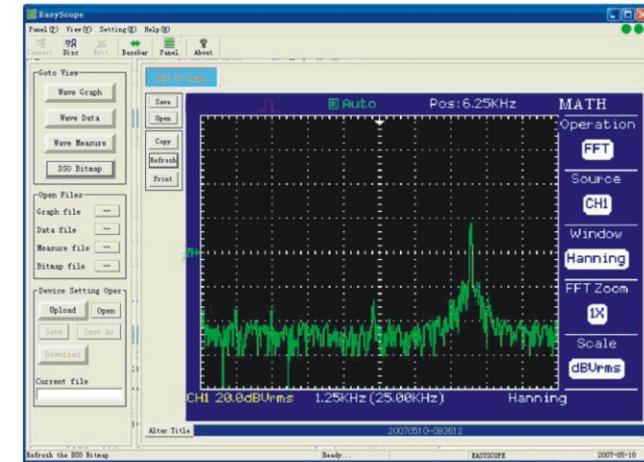
Pass/Fail function

Display

ADS1000 series products use the colored TFT LCD. The screen display parameter value and the waveform are clearer, stably and nature; That is also more advantageous to alleviate tiredness of users using the instrument extended periods at a time.

Powerful EasyScope3.0 Software

EasyScope3.0 software is the powerful system software suitable for ADS1000 series products. This software can be compatible RS-232 and USB Device to realize communication between the computer and the oscilloscope, then realizes long-distance control. Simultaneously this software can automatic real-time refresh waveform data , provide waveforms、measure data、sampling data、screen images read、storage and printing functions.In addition EasyScope3.0 also has setups upload and download function. Most quickly basing on millisecond level interactive between PC and ADS1000 series make users to be easier to analyze, research waveforms and data.



EasyScope3.0 Software interface

SPECIFICATIONS

Model/Index	ADS1102C/ADS1102CM	ADS1062C/ADS1062CM	ADS1042C/ADS1042CM	ADS1022C/ADS1022CM
Bandwidth	100MHZ	60MHZ	40MHZ	25MHZ
Real Time Sampling	500MSa/s			
Equivalent Sampling Rate	50GSa/s			
Memory Depth	ADS1000: 4K/ ADS1000M:2M			
Rise Time	<3.5ns	<5.8ns	<8.8ns	<14ns
Input Impedance	1MΩ 13pF			
Sec/div Range	2.5ns/div-50s/div	5ns/div-50s/div	10ns/div-50s/div	25ns/div-50s/div
	Roll: 100ms-50s/div			
Display	Color TFT(320*234)5.7" LCD			

SPECIFICATIONS

Model/Index	The Common Specifications Of All ADS1000 Series Products
Display	12 divides full screen display
Channels	2
Vertical Sensitivity	2mv-5v/div(1-2-5 Sequence)
Vertical Resolution	8bit
Input coupling	DC, AC, GND
Input Max voltage	400V (Vpp)
Trigger Types	Edge, Pulse, Video, Slope, Alternative, Delay
Trigger Modes	Auto, Normal, Single
Trigger Source	CH1、CH2、Ext、Ext/5、AC Line
Save/Recall	Provide two groups reference waveforms, twenty groups capture waveforms and twenty groups setups internal save/recall function and USB flash drive Save/Recall function
Auto Measure Types	Vpp, Vmax, Vmin, Vamp, Vtop, Vbase, Vavg, Mean, Vrms, Crms, ROVShoot, FOVShoot, RPREShoot, FPREShoot, Freq, Period, Rise time, Fall Time, +Width, -Width, +Duty, -Duty, BWid, Phase, FRR, FRF, FFR, FFF, LRR, LRF, LFR, LFF
Cursor measure	Manual, Track, Auto
Sample Types	Real Time, Equivalent Time
Averages	4、16、32、64、128、256
Math	+、-、*、/、Invert
	FFT Window: Hanning, Hamming, Blackman、Rectangular Sampling Points: 1024 points
XY Mode	Phase Error: ±3 degrees Support the sampling rate : 5KSa/s~200MSa/s (in a 1-2-5 sequence)
Display Model	Main, Window, Window Zoom, Roll, X-Y
Menu Display	2Sec, 5Sec, 10Sec, 20Sec, Infinite
Display Language	Simplified Chinese, Traditional Chinese, English, Arabic, French, German, Russian, Spanish, Portuguese, Japanese, Korean
Power Source Voltage	100-240VAC、47HZ-440HZ、50VA Max
Size and Weight	305mm x 154mm x133mm, about2.3kg
Accessories	(1:1、10:1)Problex2, EasyScope Computer Software System, Power Cord, USB Cable, User Manual, EasyDsoLib Software Package, USB Host: Support USB flash drive storage USB Device: Support PictBridge compatible printers and PC Remote control
Options	GPIB Communication Module, Serial Interface Communication Module, Pass/Fail Interface Module