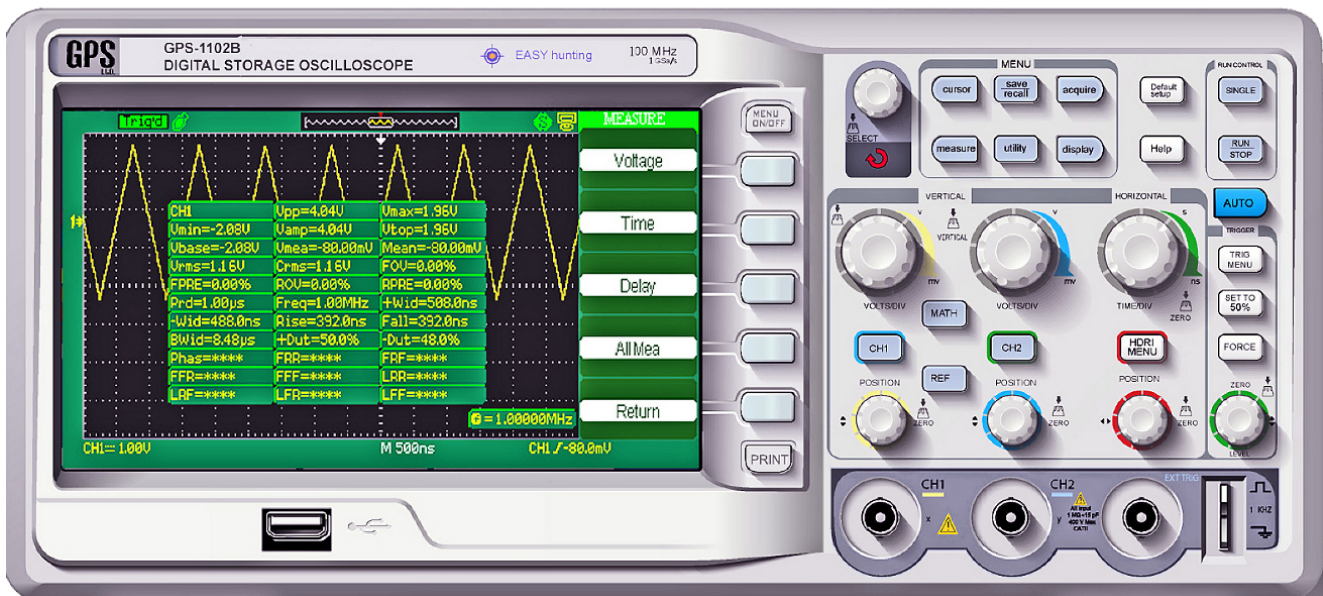




Data Sheet

GPS-1000A/B Series Oscilloscopes



General Description

The GPS-1000A and GPS-1000B Series are a highly efficient oscilloscopes.

It utilises key features which include long memory, capabilities and advanced triggering. The models range in bandwidths, starting at 25MHz and ending at the high level 200MHz model. It can achieve an impressive maximum sampling rate of GS/s and each channel has a waveform memory of up to 2Mpts, greater than many of its competitive products.

The GPS-1000AB Series provide 32 different measurements, which can all be viewed simultaneously using the measurement dashboard. The unit also benefits from inbuilt mathematical calculations based on its measurements, including Add, Subtract, Multiply, Divide, and FFT.

There is a Digital Filter for each channel, allowing the user to acquire and identify the frequencies needed. It is capable of saving and loading previously captured waveforms, using the units large internal memory. This can save the user valuable time and effort.

The USB ports allow the user to send data to a PC or printer, or otherwise save data onto USB hard drives or memory sticks.

Software is included to make these processes smooth and simple.



Features

- 2 Channels,
- Full bandwidth from 25MHz - 200 MHz
- Max sample rate of GS/s
- 5K/32K/40K/2M pts memory per channel.
- High Resolution 7.0" color TFT display
- 6- digit Realtime Frequency Counter
- 32 automatic measurements
- Multiple languages
- Large internal storage USB connection



Models and Specifications

	GPS-1022A	GPS-1052A	GPS-1072B	GPS-1102B	GPS-1202B	GPS-1072BM	GPS-1102BM	GPS-1202BM
Bandwidth	25 MHz	50 MHz	70 MHz	100 MHz	200 MHz	70 MHz	100 MHz	200 MHz
Input Channels	2	2	2	2	2	2	2	2
Display	7.0" TFT Color, 480 x 234 Resolution							
Sample Rate(Single Shot)	500 MS/s	500 MS/s	1 GS/s	1 GS/s	1 GS/s	1 GS/s	1 GS/s	1 GS/s
Sampling Rate(Equivalent)	10 GS/s	25 GS/s	50 GS/s	50 GS/s	50 GS/s	50 GS/s	50 GS/s	50 GS/s
Peak Detect period	2.5 ns							
Memory Length	32 kpts	32 kpts	40 kpts	40 kpts	5 kpts/CH	2 Mpts	2Mpts	2Mpts
Vertical Resolution	8-bits							
Vertical Sensitivity	2mV/div – 5V/div							
Bandwidth Limiting Filter	20 MHz							
Rise Time	< 14ns	< 7.0ns	< 5.0ns	< 3.5ns	< 1.8ns	< 5.0ns	< 3.5ns	< 1.8ns
Maximum Input Voltage	400 Vpk, 300 Vrms (1MΩ Input Impedance)							
Input Coupling	AC, DC, GND							
Input Impedance	1 MΩ , 13pF , 50Ω (Only for some types)							
Probes	10:1, 1:1 Switchable Passive Probe (one per channel)							
Timebase Range	2.5ns/div – 50s/div							
Triggers	Edge, Pulse Width, Video, Slope (Rise Time), Alternate							
Auto Measure (32 Types)	Amplitude, Average, Base, Burst Width, Cyclic RMS, + Duty Cycle, - Duty Cycle, Fall Time, Frequency, Max, Mean, Min, Overshoot, Peak-Peak, Period, Phase, Rise Time, RMS, Top, + Width, - Width. Plus 8 advanced parameters for edge to edge timing measurements							
Math	Add, Subtract, Multiply, Divide, FFT (up to 1 kpts with Rectangular, Von Hann, Hamming or Blackman windows)							
Waveform Sequence Recorder	Record and playback a sequence of up to 2500 waveforms							
Input/Output Interfaces	USB: USB host port for flash drives, USB device port for connecting to PC and printers RS-232: RS-232 port for connection to PC and EasyScope software Pass/Fail output: Output when Pass/fail condition detected							
Internal Storage	Support 2 Group referenced waveforms, 20 Group setups, 20 group captured waveforms							
External Storage	Bitmap/CSV/Waveform/Setting save mode							
Standard accessories	1:1/10:1 Passive Probe (2pcs), Power cord, EasyScope software CD, User Manual, USB Cable							
Dimension (HWD)	157 x 135.6 x 323.1 mm							
Weight	2.5 Kg							
Power	100-240 VAC, 45-440 Hz , 50VA Max.							

