



GPS-1000B+ Series

Digital Oscilloscope

A new generation oscilloscope with fast refresh rate and excellent stability

GPS-1000B+ series is a dual-channel universal digital oscilloscope, available in 70 MHz, 100 MHz and 150 MHz bandwidth models. It includes a 2 Mpts memory depth that helps to ensure accurate waveform resolution and to capture longersignal lengths. With its 7 inch TFT-LCD (800x480) screen, there is adequate screen space to help better see and analyze waveform details. Along with a 1 GSa/s sampling rate, the GPS-1000B+ Series supports 32 parameters measurements and common mathematical operations to speed up complex / repetitive measurements. Using the long memory mode, users are able to use a higher sampling rate to capture more of the signal, and quickly zoom to focus on the area of interest.

GPS-1000B+ provides 5 kinds of math operation: +, -, *, /, FFT, supporting channel waveform and FFT waveform in either split display windows or both signals appearing on the full screen.

The digital recorder is able to record data in real-time and without any Dead time. The oscilloscopes supply 7 M of memory for the recorder and support a USB disk.

It supports USB Host, USB Device (USBTMC), LAN and Pass / Fail.

Key Features

- 7 Inch 800x480 LCD Display
- 150 MHz, 100 MHz, 70 MHz bandwidth
- Real-time sampling rate up to 1GSa/s
- Memory Depth up to 2 Mpts
- Trigger types: Edge, Pulse, Video, Slope, Alternate
- Waveform math functions: +, -, *, /, FFT
- 6 digital frequency counter
- Digital filter and waveform recorder function
- Shortcut storage function key
- Supports Multi-language display and embedded online help
- Multiple interfaces: USB Host, USB Device (USBTMC), LAN, Pass / Fail

Ideal For

- Universities
- Automotive
- Aerospace
- Drivers and electrical machines
- Military
- Electrical utilities



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Technical Specifications

Model	GPS-1072B+	GPS-1102B+	GPS-1152B+
Bandwidth	70 MHz	100 MHz	150 MHz
Sample Rate (Max)	Real-time sampling rate up to 1 GSa/s, Equivalent-time sampling rate up to 50 GSa/s		
Channels	2+EXT		
Memory Depth (Max)	2 Mpts		
Display	7 inch TFT LCD (800x480)		
Trigger Type	Edge, Pulse, Video, Slope, Alternate		
Time base scale	5.0 ns/div - 50 s/div	2.5 ns/div - 50 s/div	2.5 ns/div - 50 s/div
Vertical Scale (Probe 1 X)	2 mV/div - 10 V/div (1-2-5)		
Standard I/O	USB Host, USB Device, LAN, Pass/Fail		
Math. Function	+ , - , * , / , FFT (Rectangular, Blackman, Hanning, Hamming)		
Measure system	32 parameters auto measurements and 5 parameters display		
Dimensions	323x136x157 mm (L X W X H)		
Weight	2.5 Kg (Net)		

Languages
English, French, Japanese, Korean, German, Russian,
Italian, Portuguese

Temperature
Operating: 10°C~ + 40°C
Non-operating: -20°C~ +60°C

Humidity
Operating: 85%RH, 40°C , 24hours
Non-operating: 85%RH, 65°C , 24 hours

Altitude
Operating: ≤3000m
Non-operating: ≤15,266m

Mains Supply
100 ~ 240 Vrms 50/60 Hz , 100 ~ 120 Vrms 400 Hz, 50W Max.

Safety
2006/95/EC
Execution Standard EN 61010-1:2010/
EN 61010-2-030:2010

2004/108/EC
Execution Standard EN 61326-1:2006
EN 61000-3-2:2006 + A2:2009, EN
61000-3-3:2008

Protection
100 ~ 240 VAC, CAT II, Auto
selection

Standard Accessories:

USB Cable

Quick Start

Passive Probe (2 Pcs)

Power Cord

CD (Included User Manual and EasyScopeX software)

Warranty card

Services

1 year warranty (subject to product registration with
GPSLtd)

Visit www.gpslimited.com/register-product

Service and calibration available. Please contact
for more information