

GPS

1000C

Powerful 2/4-channel oscilloscopes with our highest bandwidth range provides you with affordable performance in a compact design packed full of standard features

With up to 300 MHz bandwidth and 2 GS/s maximum sample rate, no other digital storage oscilloscope offers as much bandwidth and sample rate for the price. Advanced triggers - rising/falling edge, pulse width, and video - help you quickly isolate your signals of interest. Once you've captured a signal, advanced math capabilities and automated measurements can speed your analysis. Quickly perform an FFT or add, subtract, or multiply waveforms. Automated measurements quickly and reliably calculate important signal characteristics such as frequency or rise time. One of the main benefits is that the device comes with an integrated 7-inch colour TFT-LCD display which assigns a colour to each of the four channels that the device can measure, making it easy to track waveforms and gain accurate measurements. The GPS-1000C Series oscilloscopes help you get more done in less time.



Figure 1 Model shown GPS-1304C

Key Features

- 12kPt memory depth (all channels in use)
- 7-inch Colour TFT LCD display (480 x 234) with 4 display styles
- Screen saver w/ adjustable delay
- 1GSa/s sample rate (all channels in use); 2GSa/s (one or two channels in use)
- Five Trigger Modes
- Unique digital filtering function
- Waveform recording function
- Pass / Fail function
- 32 automatic measurements
- Cursor measurements
- Pop-up Menus

Ideal for

- Design / debug
- Production Test
- Education
- Repair / maintenance services

Technical Specifications

Model	GPS-1102C / GPS-1104C	GPS-1202C / GPS-1204C	GPS-1302C / GPS-1304C
Bandwidth	100 MHz	200 MHz	300 MHz
Sample Rate (Max)	1GSa/s (each channel), 2GSa/s (half channel); 50GSa/s equivalent		
Channels	2 / 4CH +1EXT		
Memory Depth (Max)	24 kPts		
Display	7-inch TFT LCD (480x234)		
Trigger Type	Edge, Pulse, Video, Slope, Alternate		
Time base scale	2.5 ns/div - 50 s/div	2.5 ns/div - 50 s/div	1.0 ns/div - 50 s/div
Vertical Scale (Probe 1 X)	2mV/div -5V/div (1-2-5 order)		
Standard I/O	USB Host, USB Device, LAN, Pass/Fail		
Math. Function	+, -, *, /, FFT (Rectangular, Blackman, Hanning, Hamming)		
Measure System	32 parameters auto measurements		

Standard Accessories

EasyscopeX© software
 USB cable
 Passive probes 1:1 and 10:1 (Qty 4)
 220V AC EU power cord (unit is 220V and 110V selectable)
 Calibration certificate
 Quality certificate
 Quick-start guide

Power

100-240 VAC, CAT II, Auto selection
 50W Max

Input Voltage

±400V(DC+ACPk-Pk), CAT I, CAT II

Languages

English, Arabic, French, German, Russian, Portuguese Spanish,
 Japanese, Korean, Italian

EMC

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

Safety

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

General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
GPS-1102C	7" TFT LCD, 100MHz Digital Storage Oscilloscope, 2 Channels	160002
GPS-1202C	7" TFT LCD, 200MHz Digital Storage Oscilloscope, 2 Channels	160036
GPS-1302C	7" TFT LCD, 300MHz Digital Storage Oscilloscope, 2 Channels	160088
GPS-1104C	7" TFT LCD, 100MHz Digital Storage Oscilloscope, 4 Channels	160104
GPS-1204C	7" TFT LCD, 200MHz Digital Storage Oscilloscope, 4 Channels	160208
GPS-1304C	7" TFT LCD, 300MHz Digital Storage Oscilloscope, 4 Channels	160312
SC2	Soft carrying case	900055

Dimensions

358 x 156 x 118mm / 14 x 6 x 5" (w x d x h) approx.

Mass

4.5kg/10lbs approx.

Operating

10°C ~ 40°C
 85%RH, 40°C, 24hours
 ≤3000m

Services

1-year warranty (subject to product registration with GPS Ltd)

Visit www.gpslimited.com/register-product
 Service and calibration available.

Please contact for more information

www.gpslimited.com/1000C
 For all enquiries, Tel: +44 (0) 208 964 3600
 Email: info@gpslimited.com