

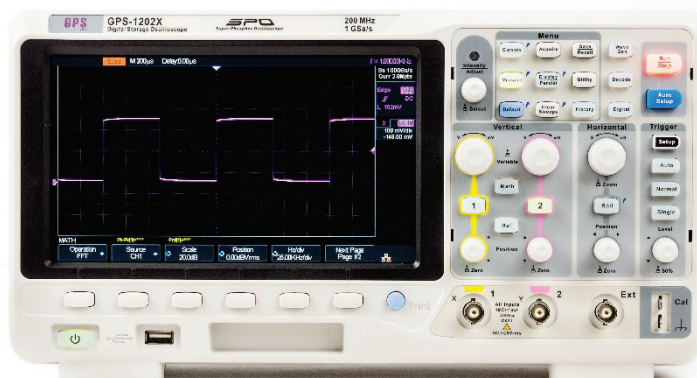


GPS

1000XS series

A new generation super phosphor oscilloscope with fast refresh rate and excellent stability

The 1000XS series delivers the performance you need to visualize even your most demanding signals incorporating SPO display technology to provide fast refresh rates. The resulting intensity-graded trace is brighter for more frequently occurring display points and dimmer in less frequent. The standard 14Mpts record length on all channels enables you to capture long windows of signal activity while maintaining fine timing resolution. To save time, most commonly used functions are accessible using 10 different one-button operation keys. With up to 60,000 frames / second waveform capture rates, the oscilloscope can easily capture an unusual or low-probability event. With a colour temperature display mode and options for an integrated 25 MHz arbitrary waveform generator, as well as serial decoding, the features and high-performance of the GPS-1202X oscilloscope cannot be matched at anywhere at its price range.



Key Features

- 16 channel MSO (with logic probe) included
- Built-in 25MHz waveform generator
- Real-time sampling rate up to 1GSa/s
- Record length of 14Mpts
- Waveform capture rate up to 60,000 wfs/s
- Supports 256-level intensity grading and colour temperature display
- Intelligent trigger: Edge, Slope, Pulse, Window, Runt, Interval, Time out (Dropout), Pattern, Serial triggers (optional)

Ideal for

- Automotive
- Aerospace
- Drivers and electrical machines
- Military
- Utilities; electrical, water and gas

Technical Specifications

Model	GPS-1102XS	GPS-1202XS
Bandwidth	100 MHz	200 MHz
Sample Rate (Max)	1 GSa/s	
Channels	2+EXT	
Memory Depth (Max)	7 Mpts/CH (Dual-Channel); 14 Mpts/CH (Single-Channel)	
Waveform Capture Rate	60,000 wfm/s (normal mode), 400,000 wfm/s (sequence mode)	
Trigger Type	Edge, Slope, Pulse width, Window, Runt, Interval, Dropout, Pattern, Video	
Serial Trigger (optional)	I2C, SPI, UART/RS232, CAN, LIN	
Decode Type (optional)	I2C, SPI, UART/RS232, CAN, LIN	
DDS Waveform Generator	Single Channel, Max. Frequency up to 25 MHz, 125 MSa/s sampling rates, 16 Kpts wave length	
16 Digital Channels (MSO)	Maximum waveform capture rate up to 500 MSa/s, Record length up to 140 Mpts/CH	
Logic Probe	SPL1016	
I/O	USB Host, USB Device, LAN, Pass/Fail, Trigger Out, 1 kHz Cal	
Display	8-inch TFT LCD (800x480)	

Standard Accessories

EasyscopeX© software
 USB cable
 Passive probes PP215 (2 pcs)
 220V AC EU power cord (unit is 220V and 110V selectable)
 Standard Certification

Power

100 ~ 240 VAC, CAT II, Auto selection; 50W Max

Input Voltage

1M Ω \leq 400Vpk (DC + Peak AC \leq 10kHz), 50 Ω \leq 5Vrms

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-1102XS	8" TFT LCD, 100MHz Digital Phosphor Oscilloscope with Waveform Generator and 16 channel MSO	190172
GPS-1202XS	8" TFT LCD, 200MHz Digital Phosphor Oscilloscope with Waveform Generator and 16 channel MSO	194500
GPS-1000XS-DC	I2C, SPI, UART/RS232, CAN, LIN Decode key	920309

Dimensions

340 x 123 x 184mm / 13 x 5 x 7" (w x d x h) approx.

Mass

3.3kg/7.2lbs approx.

Operating

10°C ~ 40°C
 85%RH, 40°C, 24hours
 \leq 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

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 Email: info@gpslimited.com