



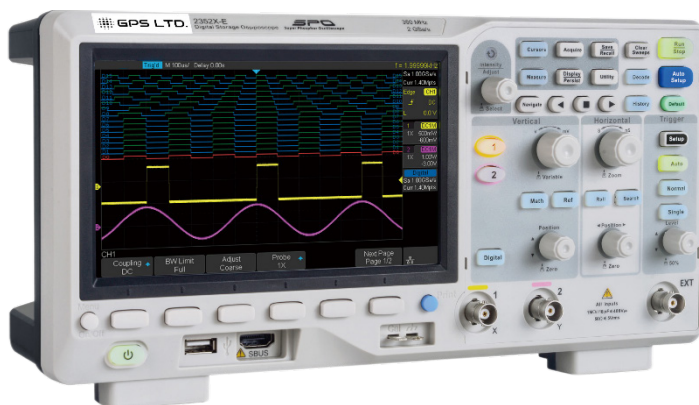
OSCILLOSCOPE
GPS-2000XE series

GPS

2000XE series

The perfect plug and play solution to applications where all in one functionality is required for a wide range of measurement parameters

This series features a real-time sample rate of up to 2 GSa/s and a bandwidth of up to 350 MHz along with a standard record length of 28 Mpts. The oscilloscopes use a new generation of advanced SPO technology for an excellent signal fidelity and very low background noise. It has a minimum vertical input range starting from 500 V/div and an innovative trigger system with high sensitivity and low jitter. This high-performance standard not only ensures capturing real-time instantaneous signals, but also observes details of repeated signals. There is a refresh rate of up to 110.000 wfms/s, enabling users to capture instantaneous signals, as well as abnormal signals more quickly. It also helps to enhance the waveform capturing ability and to expedite a circuit debug course. The large TFT colour displays are very easy to read. Thanks to an intelligent system for displaying or masking information, the largest possible area is always available for displaying signals. The signal curves, the FFT display, and other functions can be shown simultaneously on the display. The oscilloscopes also feature enhanced mathematical functions. Measurements and math functions are processed over the complete memory range, not only in the display memory. In addition, the FFT function works with a lot more data points (1 Mpt instead of 16 kPts) which makes it more accurate.



Key Features

- Serial decoder included
- Deep memory (28 Mpts)
- Innovative SPO technology
- Gate and Zoom measurement
- Advanced Maths Functions FFT
- Masked Pass/Fail-Tests
- Auto measurements with statistics
- Intelligent triggers
- Large 7-inch TFT-LCD display with 800 * 480 resolution
- Supports multi-language display and embedded online help
- 16 channel digital/MSO (optional)
- USB powered 25MHz AWG function generator module (optional)

Ideal for

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

www.gpslimited.com/2000XE
For all enquiries, Tel: +44 (0) 208 964 3600
Email: info@gpslimited.com

Technical Specifications

Model	GPS-2202XE	GPS-2352XE
Bandwidth	200 MHz	350 MHz
Sample Rate (Max)	2GSa/s (single channel), 1 GSa/s (two channels)	
Channels	2+EXT	
Memory Depth (Max)	Max 28 Mpts/Ch (single channel), 14 Mpts/Ch (two channels)	
Waveform Capture Rate	110,000 wfms/s (normal mode), 400,000 wfms/s (sequence mode)	
Trigger Type	Edge, Slope, Pulse width, Window, Runt, Interval, Dropout, Pattern, Video	
Serial Trigger and decoder (standard)	I2C, SPI, UART/RS232, CAN, LIN	
16 Digital Channels (OPTION)	Maximum waveform capture rate up to 1 GSa/s, Record length up to 14 Mpts/CH	
USB AWG module (OPTION)	One channel, 25 MHz, sample rate of 125 MHz, wave length of 16 kPts	
USB WIFI adapter (OPTION)	802.11b/g/b, WPA-PSK, the adapter must be supplied by Siglent to ensure working	
Bode plot (standard, 4CH only)	Minimum start frequency of 10 Hz, minimum scan bandwidth of 500 Hz, maximum scan bandwidth of 120 MHz (dependent on Oscilloscope and AWG bandwidth), 500 maximum scan frequency points	
I/O	USB Host, USB Device, LAN, Pass/Fail, Trigger Out, 1 kHz Cal	
Display	7-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 ≤400Vpk (DC + Peak AC ≤10kHz), 50 ≤5Vrms

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-2202XE	2 channel, 7" TFT LCD, 200MHz Digital Phosphor Oscilloscope with Serial Decoding	212202
GPS-2352XE	2 channel, 7" TFT LCD, 350MHz Digital Phosphor Oscilloscope with Serial Decoding	212352

Please enquire about adding options

Dimensions

312 x 134 x 150mm / 12 x 5 x 6" (w x d x h) approx.

Mass

2.5kg/5.5lbs 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