

GPS-1202X

Advanced Digital Oscilloscope

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

The oscilloscope delivers the performance you need to visualize even your most demanding signals. The 1202X incorporates SPO display technology to provide fast refresh rates. The resulting intensity-graded trace is brighter for more often-occurring display points and dimmer in less-often- occurring points. The standard 14Mpts record length on all channels enables you to capture long windows of signal activity while maintaining fine timing resolution. To make things simpler, most commonly used functions are accessible using 10 different one-button operation keys.

With up to 60,000 frames / second waveform capture rate, 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 this price



"Excellent instrument with easy and intuitive

"The absolute best entry-mid level

Key Features

- 8 Inch 800x480 LCD Display
- Real-time sampling rate up to 1GSa/s
- Record length of 14Mpts
- Waveform capture rate up to 60,000 wfs/s
- New generation of SPO technology
- Supports 256-level intensity grading and color temperature display
- Intelligent trigger: Edge, Slope, Pulse, Window, Runt, Interval, Time out (Dropout), Pattern
- Video trigger, supports HDTV

Ideal For

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

www.gpslimited.com/1202x

For all enquiries Tel: +44 (0) 208 964 3600

Email: info@gpslimited.com

Technical Specifications

Model	GPS-1202X	GPS-1202X+
Bandwidth	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 wfms/s (normal mode), 400,000 wfms/s (sequence mode)	
Trigger Type	Edge, Slope, Pulse width, Window, Runt, Interval, Dropout, Pattern, Video	
Serial Trigger (Optional)	I ² C, SPI, UART/RS232, CAN, LIN	
Decode Type (Optional)	I ² C, SPI, UART/RS232, CAN, LIN	
DDS Waveform Generator	No	Yes
16 Digital Channels (MSO Option)	Single Channel, Max. Frequency up to 25 MHz, 125 MSa/s sampling rate, 16 Kpts wave length GPS-1202X+ Supported (Standard); GPS-1202X Not supported	
Logic Probe	Maximum waveform capture rate up to 500 MSa/s, Record length up to 140 Mpts/CH GPS-1202X+ Supported (Optional); GPS-1202X Not supported	
I/O	SPL1016 (Optional)	
Probe (Std)	USB Host, USB Device, LAN, Pass/Fail, Trigger Out, 1 KHz Cal	
Display	2 pcs passive probe PP215	
Weight	8 inch TFT LCD (800x480)	
	Net weight 3.26 Kg, Gross weight 4.25 Kg	

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
120V 50/60 Hz, 120V/220V Universal

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

GPS-1202X/+ Optional Accessories		
Code	Item	Part Number
GPS-1000X-DC	I2C, SPI, UART/RS232, CAN, LIN Decode key	190109
SDS-1000X-LA	16 Channels MSO (Software)	190082
SPL1016	16 Digital Channels Logic Probe	190083
ISFE	Isolated Front End	190055
STB	STB Demo Source	190058
HPB4010	High Voltage Probe	190004
please call	selection of current probes	n/a
please call	selection of differential probes	n/a

Dimensions
340 x 123 x 184mm / 13"x 5" x7" (w x d x h) approx

Mass
3.3kg/7.2lbs approx

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

Part Number
930119

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