

GPS

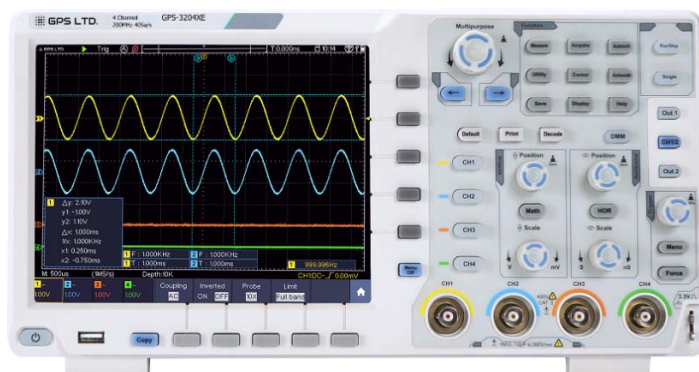
3204XE series

The 3204XE digital storage oscilloscope offers reliable measurement technology at an unbeatable price

With a space saving ultra-thin body, the GPS-3204XE is packed full of features that are not usually standard on oscilloscopes. The device is supplied with an intuitive touchscreen, function generator, multimeter, VGA port and serial bus decoder. These features are usually costly additions that can take the instrument outside of budget. With other high-end specs, like low floor noise, the scope is really able to cover a wide variety of applications.

The colourful 8" (20.3 cm) TFT LCD panel with the resolution of 800 by 600 allows an excellent readability of the wave, especially in regards to high data volume or many waves covered reciprocally. It is packed with multiple interface integration options including USB allowing data to be shared and analysed easily. Furthermore, colour grading is possible for clearer analysis of signals.

The GPS-3204XE is an oscilloscope with a magnificent price-quality ratio, with a price which is normally only found in 100MHz scopes.



Key Features

- 4 channels
- 200 MHz bandwidth
- Real-time sampling rate up to 1GSa/s
- 8-bit high resolution ADC
- 40M record length max 70,000 wfms/s waveform refresh rate
- Low background noise
- 8-inch 800 x 600 LCD display, with *multi-touch screen*
- SCPI and LabVIEW supported
- Multi-trigger and bus decoding function
- Multi-interface integration - USB host, USB device, USB port for PictBridge, LAN, AUX, and VGA

Ideal for

- Industrial power design, troubleshooting, installation and maintenance
- Electronics design, troubleshooting, installation and maintenance
- Circuit design & debug
- Educational lab & training institution
- Repair & service
- Production test and quality inspection

Technical Specifications

Model	GPS-3204XE
Bandwidth	200 MHz
Sample Rate (Max)	1 GSa/s
Channels	4 (four channel series)
Memory Depth (Max)	40M
Waveform Capture Rate	70,000 wfms/s (normal mode)
Horizontal Scale (s/div)	1ns/div - 1000s/div, step by 1 - 2 - 5
Input Impedance	1MΩ \pm 2%, in parallel with 15pF \pm 5pF
Vertical Sensitivity	1mV/div - 10V/div (at input)
DC Gain Accuracy	\pm 3%
Trigger Type	Edge, Video, Pulse, Slope, Runt, Windows, Timeout, Nth Edge, Logic, I2C, SPI, and RS232/UART, CAN
Bus Decoding	I2C, SPI, RS232/UART, CAN
Waveform Math	+, -, *, /, FFT, FFTrms, Intg, Diff, Sqrt, User Defined Function, digital filter (low pass, high pass, band pass, band reject)
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Week RMS, Cursor RMS, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Phase, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Duty Cycle, Delay A→B, Delay A→B, Phase A→B, Phase A→B, +Pulse Count, -Pulse Count, Rise Edge Count, Fall Edges Count, Area, Cycle Area
Waveform Generator	25MHz, 125MS/s, 14 bits, 2mVpp-6Vpp), 8K length, Sine/Square/Pulse/Ramp
Digital Multimeter	Max 4000 count
Frequency counter	YES
Communication interface	USB host, USB device, Trig Out (P/F), LAN, and VGA
Storage Space	100 waveforms

Standard Accessories

1:1/10:1 probe (2 PCS each)
 USB cable
 Power cord satisfying the standard of the user's country
 CD (containing PC software GAScope1.0 and user's manual)

Power Voltage

100V - 240V AC, 50/60Hz, CAT II <15W
 FUSE 2A. T class, 250V

General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
GPS-3204XE	200MHz, 1GSa/s, 4 Ch, 40M record length with touchscreen/AWG/MM/BUS DECODER	203204
<i>Please enquire about adding options</i>		

Dimensions

340 x 177 x 90mm (w x d x h) approx.

Mass

2.5kg approx.

Operating

-5°C ~ 45°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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