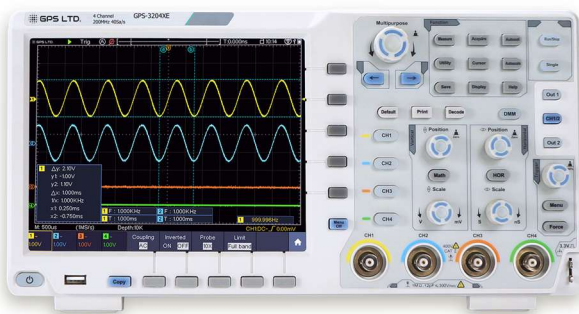




GPS-3204XE

Digital Storage Oscilloscope



Four Instruments. One Screen.

The GPS-3204XE is a 200 MHz, 4-channel digital storage oscilloscope with an 8" multi-touch display and a space-saving, ultra-thin body. Real-time sampling up to 1 GSa/s and 40M record length give it the headroom for detailed, high-volume waveform capture.

A built-in function generator, digital multimeter and frequency counter come standard – features usually costly add-ons on other scopes – alongside multi-trigger and bus decoding for I²C, SPI, RS232/UART and CAN.

Supplied with a full accessory set including PC software, the GPS-3204XE suits industrial and electronics design, circuit debug, education, and production test applications.

KEY FEATURES

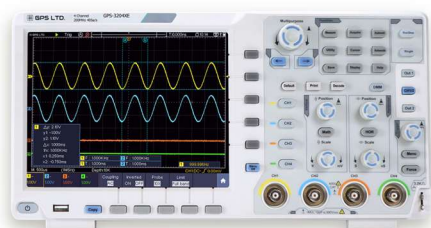
- 8" 800×600 multi-touch display
- 200 MHz bandwidth, 4 channels, 1 GSa/s sampling
- 40M record length, 70,000 wfms/s capture rate
- Built-in function generator, multimeter & frequency counter
- Multi-trigger with I²C, SPI, RS232/UART, CAN decoding

IDEAL FOR

- Industrial power design & maintenance
- Electronics design & circuit debug
- Educational lab & training institutions
- Repair & service
- Production test & quality inspection

TECHNICAL SPECIFICATIONS

GPS-3204XE Digital Storage Oscilloscope	
Bandwidth	200 MHz
Channels	4
Sample Rate	Up to 1 GSa/s
Memory Depth	Up to 40M
Waveform Capture Rate	70,000 wfms/s (normal mode)
Display	8" TFT-LCD (800×600), multi-touch screen
Horizontal Scale	1 ns/div – 1000 s/div (1-2-5 step)
Input Impedance	1 MΩ ± 2%, in parallel with 15 pF ± 5 pF
Vertical Sensitivity	1 mV/div – 10 V/div (at input) · DC gain accuracy ±3%
Trigger Types	Edge, Video, Pulse, Slope, Runt, Window, Timeout, Nth Edge, Logic, I2C, SPI, RS232/UART, CAN
Bus Decoding	I2C, SPI, RS232/UART, CAN
Waveform Math	+, −, ×, ÷, FFT, FFTrms, integration, differentiation, square root, user-defined function, digital filters (LP/HP/BP/band-reject)
Automatic Measurement	30+ parameters: Vpp, Vrms, frequency, period, rise/fall time, duty cycle, phase, overshoot, pulse count and more
Built-in Waveform Generator	25 MHz, 125 MS/s, 14-bit, 2 mVpp–6 Vpp, 8K length · Sine / Square / Pulse / Ramp
Built-in DMM & Frequency Counter	Digital multimeter up to 4000 count · Frequency counter standard
Communication Interface	USB Host, USB Device, Trig Out (Pass/Fail), LAN, VGA



WHAT'S IN THE BOX

- GPS-3204XE main unit
- 1:1/10:1 probes (2 pcs)
- USB cable
- Power cord
- CD (GAScope1.0 software & user manual)

STANDARDS · Fuse: 2A T, 250V

POWER · 100–240V AC, 50/60Hz, CAT II, <15W

GENERAL SPECIFICATIONS

Code	Item	Part Number
GPS-3204XE	200 MHz, 1 GSa/s, 4 Ch, 40M record length with touchscreen/AWG/MM/Bus Decoder	203204

GPS-3204XE is supplied as a single configuration. Please enquire about adding options.

MASS

2.5 kg approx.

OPERATING

−5°C to 45°C, ≤85% RH, ≤3000m altitude

WARRANTY

1 year (subject to product registration)

PACKAGE SIZE

340 × 177 × 90 mm (w × d × h) approx.

SOFTWARE SUPPORT

SCPI, LabVIEW

WAVEFORM STORAGE

100 waveforms