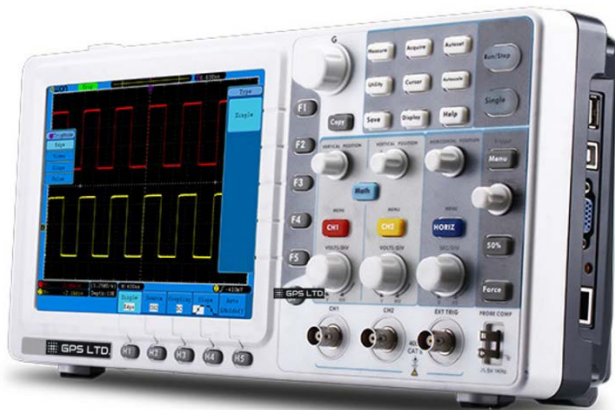


GPS

# 1102BX

Compact, flexible operation; with colour TFT LCD display and pop-up menu, to achieve its ease of use, greatly improving user productivity

The GPS-1102BX has two channels and can store up to 10M points for each channel. That's a lot of data for a scope in this price range. It can save up to fifteen waveforms, and record a waveform and play it back. This ability to store a lot of data is one of the reasons why this is a popular scope. Another reason that users have liked the 1102BX is its 8-inch, 800 600, full-colour LCD screen. That is a gorgeous display for an oscilloscope. Even better, it has a VGA port so the user can connect it to a larger monitor. The GPS-1102BX doesn't just output video, it can also interface with a computer by way of its USB or LAN interfaces. The GPS-1102BX has various trigger options: external, edge, slope, video, and alternate. The vertical resolution with both channels at once is 8-bit. The real-time sample rate is 1GSa/s and the rise time is less than or equal to 3.5 nanoseconds.



## Key Features

- 2 channels
- 100 MHz bandwidth
- Real-time sampling rate up to 1GSa/s
- 8-inch, high resolution display
- Pass/Fail function
- Auto-scale function
- Waveform Record/Play
- Customisable menu
- Ultra-thin, lightweight and robust
- Supports SCPI

## Ideal for

- Electronic circuit testing
- Circuit function testing
- Design and manufacturing testing
- Education and technical training
- Automotive maintenance testing

**Performance, powerful and affordable.**

## Technical Specifications

Model	GPS-1102BX
Bandwidth	100 MHz
Sample Rate (Max)	1 GSa/s
Rise time	≤3.5ns
Memory Depth	10M
Channels	2 + 1 (external)
Display	8" colour LCD, 800x600 pixels
Input Impedance	1M ± 2%, in parallel with 15pF±3pF
Channel Isolation	50Hz: 100 : 1, 10MHz : 40 : 1
Max Input Voltage	400V (PK - PK) (DC+AC, PK - PK)
DC Gain Accuracy	±3%
DC Accuracy (average)	Average≥16 : ±(3% reading + 0.05 div) for ΔV
Maximum input voltage	400V (DC+AC peak value, 1M input impedance) (10:1 probe attenuation)
Probe Attenuation Factor	1X, 10X, 100X, 1000X
Waveform interpolation	sin(x)/ x
Input Coupling	DC, AC, and GND
Vertical Resolution (A/D)	8 bits (2 Channels simultaneously)
Vertical Sensitivity	2mV/div~10V/div (at input)
Digital Filtering	low-pass, high-pass, band-pass, and band-reject
Trigger Type	Edge, Pulse, Video, Slope, and Alternate
Trigger Mode	Auto, Normal, and Single
Automatic Measurement	Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Pre-shoot, Rise time, Fall time, +Width, -Width, +Duty, -Duty, Delay A→B, Delay A→B
Waveform Math	+, -, , , invert, FFT
Communication Interface	USB host, USB device, Pass / Fail, LAN, and VGA (optional)
Power Supply	100V - 240V AC, 50/60Hz, CAT II
Standard Accessories	Power cable, Software CD, User manual, USB cable, Probe, Correction pen

## General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
GPS-1102BX	2 channel, 8" TFT LCD, 100MHz Digital Storage Oscilloscope	310450
<i>Please enquire about available options</i>		

### Dimensions

348 x 170 x 78mm / 13.7" x 6.7" x 3" (w x d x h) approx.

### Mass

1.5kg/3.3lbs 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](http://www.gpslimited.com/register-product)  
Service and calibration available.

Please contact for more information

[www.gpslimited.com/1102BX](http://www.gpslimited.com/1102BX)  
For all enquiries, Tel: +44 (0) 208 964 3600  
Email: [info@gpslimited.com](mailto:info@gpslimited.com)