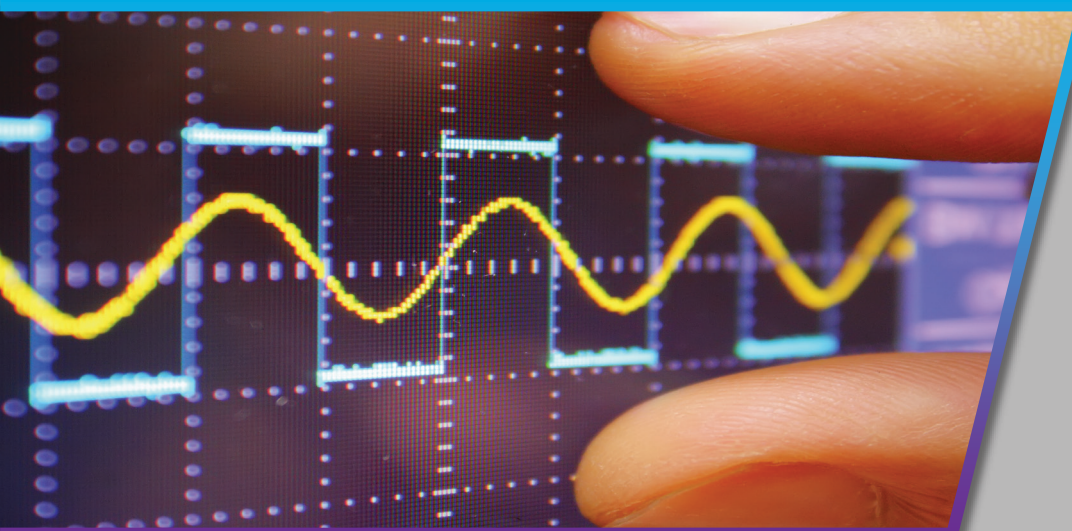


Introducing  
**Your One-stop Shop**  
**For Test & Measurement**  
Visit us online or in-store

**Product Catalog 2023**



*Breakthrough  
technology  
delivers more  
quality for the  
same budget*

#### Key Products

- Ohmmeters - measures the resistance of a component
- Ammeters - measures current
- Capacitance meters - measures the capacitance of a component
- Spectrum Analysers - measure the strength of an RF signal over a defined band of frequencies
- Signal generators - generates signals for testing purposes
- Oscilloscopes and frequency counters - used to produce signals and then measure the response of the object being tested.
- Ammeter - measures current
- LCR meter - measures the inductance, capacitance and resistance of a component
- Multimeter - general purpose instrument measures voltage, current and resistance





**Oscilloscopes & Accessories**

Includes: Benchtop, Handheld, Accessories

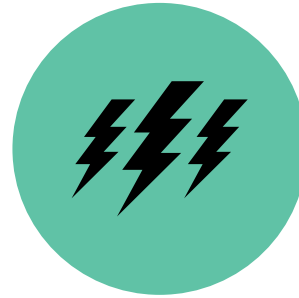
**Pages: 3 - 5**



**Signal Generators & Analysers**

Includes: Function/Arbitrary Waveform Generator, Spectrum Analyser

**Pages: 6 - 7**



**Electrical Test & Measurement**

Includes: Clamp Tester, Earth Tester, Electrical Safety Testers, Calibrator, Transformer Testers

**Pages: 8 - 12**

# Product Category

GPS LTD offers an expansive range of test and measuring instruments used in electrical and electronic work. Electrical testing is a vital procedure for any product that uses electricity.

Precision measurement is essential because if there are measurement errors this can prove costly. By having confidence in each measurement, manufacturers save time and money, and improve the quality of their products.



**Electronic Component Testing**

Includes: LCR Meter, Ohmmeter

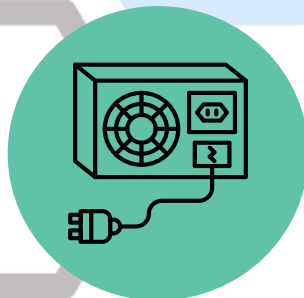
**Pages: 13 - 14**



**Multimeters**

Includes: Benchtop, Handheld

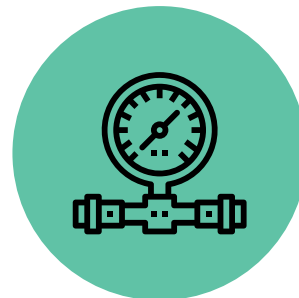
**Pages: 15**



**Benchtop Power Supplies**

Includes: DC Power Supply, Electronic Load

**Pages: 16**



**Pressure Test & Measurement**

Includes: Digital Test Gauge

**Pages: 17 - 18**

# Oscilloscope



### GPS-1000B+ series

#### Digital Storage Oscilloscope

A series of flagship oscilloscopes providing you with all the necessary functionality for excellent value and performance. With its 7-inch TFT-LCD (800\*480) screen, there is adequate screen space to help better see and analyse waveform details. Along with a 1 GSa/s sampling rate, the oscilloscope supports 32 parameters measurements and common mathematical operations to speed up complex / repetitive measurements.

- Supports multi-language display and embedded help
- Screensaver from 1 minute to 5 hours
- Digital filter and waveform recorder function
- Shortcut storage function key
- 7-inch TFT-LCD display with 800 \* 480 resolution
- Multiple interfaces: USB Host, USB Device (USBTMC), LAN (VXI-11), Pass/Fail

Model	Frequency	Channels	Memory	Sample rate
GPS-1072B+	70MHz	2	2Mpts	1Gs/sec
GPS-1102B+	100MHz	2	2Mpts	1Gs/sec
GPS-1152B+	150MHz	2	2Mpts	1Gs/sec

We stock a wide range of digital storage oscilloscopes and mixed-signal oscilloscopes. Our benchtop range of oscilloscopes are available with 2 or 4 channels, bandwidths from a low cost 70MHz to high performance 350MHz, with an additional 16 digital channels provided on the MSO range. Our handheld oscilloscopes provide engineers and technicians with high signal clarity in a battery powered robust portable package.



### GPS-1104XU

#### Super Phosphor Oscilloscope

The GPS-1104XU offers fast waveform capture rates on a continuous basis that save you time by quickly revealing the nature of faults, so advanced triggers can be applied to isolate them. Real-time intensity grading highlights the details about the history of a signal's activity, making it easier to understand the characteristics of the waveforms you've captured. Unlike other comparable oscilloscopes, the history remains even after the acquisition has been stopped. Ideal for digital design and debug, video installation and service, power supply design, education and training, telecommunications mask testing, manufacturing test and general bench testing.

- 4-channel, 100MHz bandwidth
- Real-time sampling rate up to 1 GSa/s
- The newest generation of SPO technology
- Waveform capture rates up to 100,000 wfms/s (normal mode) and 400,000 wfms/s (sequence mode)
- Supports 256-level intensity grading and colour temperature display modes
- Record length up to 14Mpts
- Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse Width, Window, Runt, Interval, Time out (Dropout), Pattern





# Oscilloscope



## GPS-1000XE series

### Super Phosphor Oscilloscope

The GPS-1000XE series employs a new generation of Super Phosphor technology that provides excellent signal fidelity and performance. For ease-of-use, the most commonly used functions can be accessed with its user-friendly front panel design. The system noise is also lower than similar products in the industry. It comes with a minimum vertical input range of 500uV/div, an innovative digital trigger system with high sensitivity and low jitter, and a waveform capture rate of 400,000 frames/ sec (sequence mode).

- Serial bus triggering and decoding:
  - IIC, SPI, UART, RS232, CAN and LIN
- Video triggers and supports HDTV
- 16 logic/MSO (optional on 4 CH only)
- Real-time sampling rate up to 1 GSa/s
- Record length up to 14 Mpts, 1 Mpt FFT
- Math co-processor speeds front panel operation

Model	Frequency	Channels	AWG & Logic Analyser Option
GPS-1102XE	100MHz	2	n/a
GPS-1202XE	200MHz	2	n/a
GPS-1104XE	100MHz	4	optional
GPS-1204XE	200MHz	4	optional

We stock a wide range of digital storage oscilloscopes and mixed--signal oscilloscopes. Our benchtop range of oscilloscopes are available with 2 or 4 channels, bandwidths from a low cost 70MHz to high performance 350MHz, with an additional 16 digital channels provided on the MSO range. Our handheld oscilloscopes provide engineers and technicians with high signal clarity in a battery powered robust portable package.



## GPS-2000XE series

### Super Phosphor Oscilloscope

This series of oscilloscopes are a 2-channel higher performance version of the GPS-1000XE model. They come in available bandwidths of 200 MHz and 350 MHz and a sampling rate of up to 2 GSa/s. With the faster sample rates and record lengths up to 28Mpts, the 2000XE scopes allow for excellent signal fidelity and recording / analysing signals up to 350MHz. Other features include AWG and MSO w/logic probe (both optional). Bode Plot capability is available using the optional generator or any GPS series of function generator. With its dual-mode display allowing for intensity-grading or colour-temperature display mode, the GPS2000XE series of oscilloscopes represents one of the most powerful oscilloscopes available today in its price bracket.

- Maximum waveform capture rate: 100,000 frames / second (Standard mode), 400,000 frames / sec (Sequence mode)
- Serial bus decode & trigger: standard
- Digital trigger provides low jitter
- Video triggering / HDTV
- Sequence trigger mode

Model	Frequency	Channels	AWG & Logic Analyser Option
GPS-2202XE	200MHz	2	optional
GPS-2352XE	350MHz	2	optional



# Oscilloscope



## GPS-800X/1000X series

### Handheld Oscilloscope

Features a single ADC with 1 GSa/s maximum sample rate and a single memory module with 12 Mpts memory depth. When only a single channel is active, the maximum sample rate is 1 GSa/s and the maximum record length is 12 Mpts. For ease of use, the most commonly used functions can be accessed with its user-friendly front panel design. The full isolation makes it ideal for both laboratory and floating signal measurement because it reduces the risk of accidental short circuits.

- Integrated oscilloscope, serial trigger and decoder, spectrum analysis, data logger, and multimeter functions into a convenient and portable design
- Sampling rate of 1 GSa/s (single-channel)/500 MSa/s (two-channels)
- Record length up to 12 Mpts
- Waveform recording up to 22 hours
- IP51 dust/water resistance certified
- Isolation voltage : CATIII 600 Vrms, CATII 1000 Vrms (1000X series only)

Model	Frequency	Channels	Memory	Full Isolation
GPS-810X	100MHz	2	12Mpts	n/a
GPS-820X	200MHz	2	12Mpts	n/a
GPS-1102X	100MHz	2	12Mpts	yes
GPS-1202X	200MHz	2	12Mpts	yes

We stock a wide range of digital storage oscilloscopes and mixed--signal oscilloscopes. Our benchtop range of oscilloscopes are available with 2 or 4 channels, bandwidths from a low cost 70MHz to high performance 350MHz, with an additional 16 digital channels provided on the MSO range. Our handheld oscilloscopes provide engineers and technicians with high signal clarity in a battery powered robust portable package.



## GPS-1104D

### Touchscreen Tablet Oscilloscope

The new 4-channel, 100MHz tablet touchscreen oscilloscope offers a modern user experience by combining a fully responsive touch capacitive display with all the features required for precise measurements. The GPS-1104D smart oscilloscope adopts the latest tablet interactive experience, mixing full touch operation with the more hands-on user interface to allow simple integration into any field of work.

- Sample Rate – 1GSa/sec (Single Channel)
- Memory Depth – 28Mpts (Single Channel)
- Max Capture Rate – 80'000 wfms/sec
- I/O Ports – Wi-Fi, LAN, HDMI, USB Host, USB Device, DC Power, AUX Out
- Easy to install large capacity lithium batteries, perfect for field or lab use
- 8 inches full touch capacitive screen, simple and smart operation
- Support APP (iOS and Android) to remote control oscilloscope

### Accessories (available for all oscilloscope models)

CP100A	<ul style="list-style-type: none"> <li>● Bandwidth: DC~800kHz</li> <li>● Powered by USB</li> </ul>	<ul style="list-style-type: none"> <li>● Ranges: 10A/100A</li> </ul>
Current Probe		
GDP100-56	<ul style="list-style-type: none"> <li>● 100MHz BW</li> <li>● Up to 5,600V Diff. Voltage</li> </ul>	<ul style="list-style-type: none"> <li>● Accurately make floating measurements</li> </ul>
Differential HV Probe		

# Function/Arbitrary Waveform Generator



## GPS-2100S series

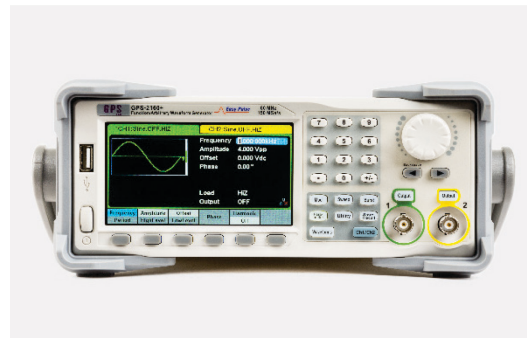
### Single Channel Generators

The 2100S series function/arbitrary waveform generator family outputs waveform functions up to up to 5 MHz (pulse), 10 MHz (square), 30 MHz (sine) and has a sampling rate of 125 MSa/s. They are powered with EasyPulse technology which produces low jitter, fast rising/falling edges without being affected by frequency, even at low duty cycle settings, allowing the user a wide range of pulse widths and transition times. This results in a much more versatile generator than other similar DDS designs.

- Sine wave frequency up to 30 MHz
- 125 MSa/s Sampling Rate, 14-bit vertical resolution
- 16 kpts Arbitrary Waveform Length
- Frequency resolution: 1 µHz
- Abundant Modulation types: AM\DSB-AM\FM\PM\FSK\ASK\PWM\SWEEP\BURST
- Standard Arbitrary wave edit software
- 3.5-inch display

Model	Frequency	Channels	Sample rate	WF Length
GPS-2110S	10MHz	1	125 MSa/s	16 kpts
GPS-2130S	30MHz	1	125 MSa/s	16 kpts

Our range of arbitrary waveform generators allow the user to generate a custom waveform of any size, unlike a function generator that produces a custom periodic waveform. Many of our generators feature a user-friendly touch screen display with interfaces including USB host, USB device, LAN and more, allowing you to easily collect and transfer data.



## GPS-2100+ series

### Dual Channel Generators

A series of dual-channel function/arbitrary waveform generators with specifications that include up to 60 MHz maximum bandwidth, 150 MSa/s sampling rate and 14-bit vertical resolution. The proprietary EasyPulse technique helps to solve the weaknesses inherent in traditional DDS generators when generating pulse waveforms, and the special square generator is capable of generating square waveforms up to 60 MHz in frequency with low jitter. With these advantages, the 2100+ series can provide users with a variety of high fidelity / low jitter signals while meeting the growing requirements of a wide range of complex and varied applications.

- Dual output channels
- Maximum 60 MHz Square and Sine wave output frequency
- 150 MSa/s Sampling rate, 14-bit vertical resolution
- TrueArb technology, Arbitrary wave length 2 ~ 16 kpts
- Pulse width and rise/fall time finely adjustable
- Complex signal synthesis

Model	Frequency	Channels	Sample rate	WF Length
GPS-2130+	30MHz	2	150 MSa/s	16 kpts
GPS-2160+	60MHz	2	150 MSa/s	16 kpts



V1.0 document no. SFC-12023  
Copyright ©GPS LTD 2023. All rights reserved.

# Function/Arbitrary Waveform Generator/ Spectrum Analyser



## GPS-2100X series

### Dual Channel Generators

Dual-channel function/arbitrary waveform generators with specifications of up to 120MHz maximum bandwidth, 1.2GSa/s sampling rate and 16-bit vertical resolution. The proprietary TrueArb & EasyPulse techniques help to solve the weaknesses inherent in traditional DDS generators when generating arbitrary, square and pulse waveforms. With advantages above, GPS-2000X series can provide users with a variety of high fidelity and low jitter signals, which can meet the growing requirements of complex and extensive applications.

- Dual output channels
- Maximum 120 MHz output frequency
- 1.2 GSa/s Sampling rate, 16-bit vertical resolution
- TrueArb technology, Arbitrary wave length 8 – 8 Mpts
- Low jitter square and pulse wave
- Pulse width and rise/fall time finely adjustable

Model	Frequency	Channels	Sample rate	WF Length
GPS-2140X	40MHz	2	1.2 GSa/s	8 Mpts
GPS-2180X	80MHz	2	1.2 GSa/s	8 Mpts
GPS-21120X	120MHz	2	1.2 GSa/s	8 Mpts

Our range of arbitrary waveform generators allow the user to generate a custom waveform of any size, unlike a function generator that produces a custom periodic waveform. Many of our generators feature a user-friendly touch screen display with interfaces including USB host, USB device, LAN and more, allowing you to easily collect and transfer data.



## GPS-SA3032X

### Spectrum Analyser

With a very large display [25.65 cm / 10.1"], high resolution and multi-touch screen, the analyser allows a very good overview of all its comfortable functions like measurements, marker and peak table, auto tune and coupling. These functions enable the analyser to acquire signals and match parameters automatically, compared to the manual process necessary with a traditional analyser. With its light-weight, small size, and friendly user interface, the SA3032X also packs plenty of impressive features for a low-cost EMI pre-compliance solution. Applications are many, but include research and development, education, production, maintenance, and many more.

- All-Digital IF Technology
- Frequency Range from 9 kHz up to 3.2 GHz
- -161 dBm/Hz Displayed Average Noise Level (typical)
- -98 dBc/Hz @ 10 kHz Offset Phase Noise (1 GHz, typical)
- Total Amplitude Accuracy < 0.7 dB
- 10 Hz Minimum Resolution Bandwidth (RBW)
- Standard Pre-amplifier
- Tracking Generator included for SWR and Transmission Response measurement





# Clamp Testers



## GPS-230/232

### Mini Jaw Multimeters

The mini-AC/DC clamp meter is a highly reliable device designed to verify the presence of electrical parameters such as load current, voltage, resistance and more.

- Auto-ranging
- 0.9" (23mm) Jaw size
- Auto power off function



## GPS-212/275

### Larger Jaw Multimeters

Expert quality, auto and manual ranging clamp meter capable of voltage, current, resistance, diode, continuity, CAP, FREQ, duty cycle and temp. testing.

- Large backlit display of 3999 counts
- T-RMS measurements for AC Voltage and AC Current (GPS-275)



## GPS-210

### 2000A AC Current Clamp

This current clamp meter is designed for current measurement in electrical testing, and combines a digital multimeter with a clamping current sensor.

- 6000 counts high resolution; fast measurements; full multimeter ranges
- 600VAC/DC input protection on all functions



## ERT15/ERT20C+

### Clamp Earth Testers

The clamp-on ground testing technique used by the ERT series simplifies ground loop testing and enables non-intrusive leakage current measurement.

- Measures ground leakage current up to 20 A (20C/20C+)
- Ground resistance: 0.01Ω to 1200Ω

# Earth Testing Kits



### ERT-10

#### 2/3-wire Handheld Tester

A handheld instrument used to quickly and easily determine earth and ground resistance. Earth resistance and insulation are determined with the earth resistance meter through 3 conductors up to 2000 . By means of the rotary switch a zero setting can be performed before every measurement to optimise accuracy. Supplied with a test lead set (3-wire) and carrying bag.



### ERT-40R

#### Precision 2/3/4-wire Earth Testing Kit

Specially designed and manufactured for measuring earth resistance, soil resistivity, earth voltage and AC voltage. Adopting the latest digital micro-processing technology for precise 4-pole, 3-pole and simple 2-pole method for earth resistance measurements with integrated FFT and AFC technology. The kit includes everything you'll need for testing, including the tester itself, test leads and 4 auxiliary earth bars.



### ERT-50R

#### Precision 2/3/4-wire Earth Testing Kit with Current Clamps

The new ERT-50R offers a comprehensive solution to your ground stake and soil resistivity needs. Specially designed and manufactured for on-site measurement of grounding resistance, soil resistivity, grounding voltage, grounding line leakage current, alternating current and DC resistance. The clear, easy-to-read display provides excellent contrast and viewing angle making it ideally suited to outdoor use.

Test and measure earth resistance with our earth resistance testers, test meters and earth test kits.



# Electrical Safety Testers



## GPS-5030EC

### Earth Continuity Tester

Perform earth bonding tests and confirm continuity with reliability and peace of mind with huge safety features in a simple to use all-in-one machine.

- Clear and concise display on a high-brightness VFD
- RS-232 interface



## MIS-D5

### 1kV Handheld Insulation Tester

An ideal instrument that can be used in testing insulation of electric machines, cables, electronic equipment, electric facilities, etc

- Measures AC voltage: 0 to 750V
- Measures DC voltage: 0 to 1000V
- Large and clear digital LCD display with back light

You'll find an excellent range of electrical installation testing equipment from us. Among the products, you'll find earth and ground resistance testers, insulation testers and loop impedance testers, plus a full range of accessories. Our range of electric installation testers and their various accessories are designed to keep you safe and to ensure that wiring is up to government standard.



## GPS-9020 series

### Hipot and Insulation Resistance Tester (AC/DC)

Designed for insulation resistance and voltage withstand testing of electrical devices and components.

Model	AC Withstanding V	DC Withstanding V	Insulation $\Omega$
9020A	5 KV / 20mA	-	-
9020AD	5 KV / 20mA	6 KV / 10mA	-
9020ADI	5 KV / 20mA	6 KV / 10mA	1 KV / 10 G $\Omega$



## MIT-3505

### 5kV Insulation Tester

Purpose-built for testing on high voltage applications such as transformers, cables, rotating machinery and more.

- Five selectable test voltages of 500V, 1000V, 2500V and 5000V
- Measures insulation resistance up to 10T $\Omega$
- Test with programmable durations
- Graphical display

# Multifunction Calibrator

For all current loop repair, calibration and maintenance needs, GPS LTD presents an easy-to-use solution. This calibrator offers grade precision for temperature measurement and calibration accuracy with a wide measurement range. Source and measure current loops simultaneously. Featuring a clear and easy to read LCD screen, this product is also user friendly and ergonomic with soft touch buttons, built in stand and easy to use settings.

Applications include calibration of 4~20 mA panel meters, LED brightness testing and temperature calibration of instruments or panel meters for 8 types of thermocouples.

## GPS-925

The GPS-925A is a Multifunction Calibrator that enables calibration of process (current & voltage) and thermocouple devices.

- Temperature control process troubleshooting.
- Calibration of process devices such as transducers, transmitters, indicators and recorders.



GPS LTD.

SHORT FORM CATALOG 2023

## ALL-IN-ONE INSTRUMENT

Suitable applications include:

- Lab and field calibration of sensors, thermocouple probes, panel meters and thermometers.
- Temperature control process troubleshooting.
- Calibration of process devices such as transducers, transmitters, indicators and recorders.
- Field test and service
- Bench research and development.



# Transformer Test Equipment



**GPS-6800**

## Capacitance and Tan Delta Tester

A fully automatic 10kV insulation power factor/dissipation factor (tan  $\delta$ ) tester designed for condition assessment of electrical insulation in high voltage apparatus such as transformers, bushings, circuit breakers, cables, lightning arresters and rotating machinery.



**GPS-4660/4660B**

## DC Current Resistance Tester

This very low resistance ohmmeter is a portable, microprocessor-controlled instrument used to accurately measure resistances of switches and circuit breaker contacts, transformer and motor windings, wire and cable samples, joints in busbars and more.



**CBA-III**

## Circuit Breaker Analyser

A reliable and very accurate operating device for the maintenance and commissioning of circuit breakers in medium and high voltage substation. Suitable for all types of metal contact SF6 breakers, GIS combination appliances, vacuum switches and oil breakers.



**CBA-2SFH**

## SF6 Gas Analyser

With a combination of SF6 humidity, SF6 purity, and SF6 decomposition product testing, the tester combines the functions that were originally realised with three separate instruments into one easy-to-operate device.

For more info, please visit [www.gpslimited.com](http://www.gpslimited.com)

# LCR Meter

We offer a wide range of LCR meters for evaluating components, materials, and semiconductor devices over a wide range of frequencies and test signal. Our LCR meters are designed to meet your impedance measurement needs in the field of R&D, production, quality assurance, or incoming inspection. They come with various PC connectivity options, such as USB, LAN, GPIB and serial. All of which can be configured and controlled via software.



**GPS-132C**  
Handheld Digital LCR Meter

The natural successor to the GPS-132A, the 132C improves on its predecessor in every department.

- Frequency Range: 100Hz, 120Hz, 1kHz, 10kHz, 40kHz, 100kHz; stepping frequency is continuously adjustable at 1Hz
- 0.3% Accuracy



**GPS-135A**  
Touchscreen Handheld Digital LCR Meter

The handheld LCR smart meter features innovative automatic selection technology.

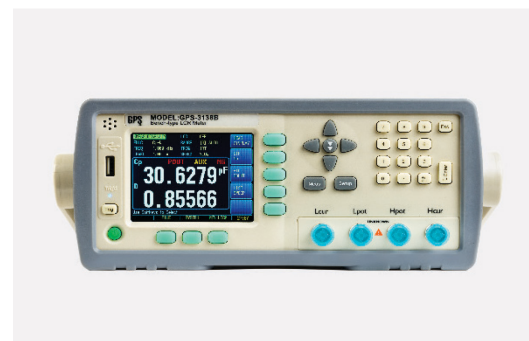
- Test at 100Hz, 120Hz, 1kHz, 10kHz, 100kHz signal frequency with a fixed 0.6 Vrms signal and constant 100 Ω source internal resistance.
- 0.2% Accuracy



**GPS-3131C**  
General Purpose Benchtop LCR Meter

A compact, precise, and versatile LCR meter capable of measuring inductors, capacitors, and resistors

- Measurement frequency up to 20kHz
- Test level 100 ~ 2000mV
- Basic accuracy 0.2%



**GPS-313XC series**  
High Precision Benchtop LCR Meter

The 313XC series are precise instruments used for evaluating LCR components, materials and semiconductor devices with precise 0.05% accuracy.

Model	Range	Accuracy
GPS-3135C	50Hz to 100kHz (10 points)	SLOW: 0.05%; FAST: 0.1%
GPS-3138C	50Hz to 100kHz (continuous)	SLOW: 0.05%; FAST: 0.1%
GPS-3139C	10Hz to 300kHz (continuous)	SLOW: 0.05%; FAST: 0.1%



# Ohmmeters



## GPS-885

### Handheld Micro-ohmmeter

Designed for use on the move, the GPS-885 suitable for use in a wide variety of applications from testing low, medium and high resistors to testing connector contacts, wire resistance and motor/transformer resistance.

- DC Resistance Range: 10 $\mu\Omega$  to 20M $\Omega$
- Accuracy: 0.05%



## GPS-8815D

### High Precision Benchtop Micro-ohmmeter

The GPS-8815D is an ultra-high precision resistance meter that's ideal for use in measuring a wide variety of high, medium and low value resistors.

- Measurement range: 0.1 $\mu\Omega$  to 1.2G $\Omega$
- Up to 0.01% accuracy
- Cable clamping device (C04A) available



## GPS-8815C/E

### Benchtop Micro-ohmmeter

Designed for highly precise measurements of DC resistance, the GPS-8815C/E delivers the accuracy you need to get precise results in laboratory conditions.

- 1 $\mu\Omega$  to 20M $\Omega$  (model 8815C)
- 1 $\mu\Omega$  to 30K $\Omega$  (model 8815E)
- Accuracy: up to 0.05%



## C04A

### Cable Clamp

With the combination of clamping device type C04A and a milli or micro-ohm meter, the ohmic resistances of cable samples and materials such as cords and strips can be measured. Fields of application include production monitoring, quality assurance and general test measurements.

# Multimeters

Our comprehensive range of multimeters deliver high-quality components and accuracy. Handheld digital multimeters are also popular for use within the home or on site. Bench multimeters are more suitable for the workshop and laboratory-based engineers and technicians who need a reliable instrument for maintenance, test, or repair tasks.  
For clamp versions, please visit page 10.



**GPS-98**  
Handheld Multimeter

Rugged and high-performance, featuring optical interface for transmitting measuring results to PCs.

- DCV/ACV: 1kV/750V
- DCA/ACA: 400 A to 20A
- 4000 Count display



**GPS-176**  
Handheld Multimeter

Simple to use with significant attributes, offering more measurement functions, safety standards and large display.

- DCV/ACV: 1000V
- DCA/ACA: 10A
- 6000 Count display
- IP67



**GPS-179**  
True-RMS Handheld Multimeter

Top of the range multimeter with reassuring safety features to give the user the confidence to take safe and highly accurate readings.

- DCV/ACV: 1000V
- DCA/ACA: 10A
- 40'000 Count display
- IP67



**GPS-8145**  
4.5 Digit Benchtop Multimeter

Highly accurate, reliable and high frequency available at a low cost.

- Multi display; primary 80000 counts, secondary 80000 counts
- 23 segment bar-graph
- 50 simultaneous measuring functions



**GPS-8055C**  
5.5 Digit Benchtop Multimeter

The accuracy and ease of use along with a superb selection of functions, makes this multimeter an absolute must for any work-bench.

- Clear, colour display
- True-RMS ACV and ACA
- Multiple interfaces



**GPS-3065X**  
6.5 Digit Benchtop Multimeter

Especially suitable to the needs of high-precision multifunction and automation measurements.

- Histogram, trend, bar chart
- Dual display with full statistics interface
- Multiple interfaces



# DC Power Supply / Electronic Load



On a bench or in a system, GPS LTD's variable DC power supplies are ready for your application, offering optimal voltage, current, capability and performance choices



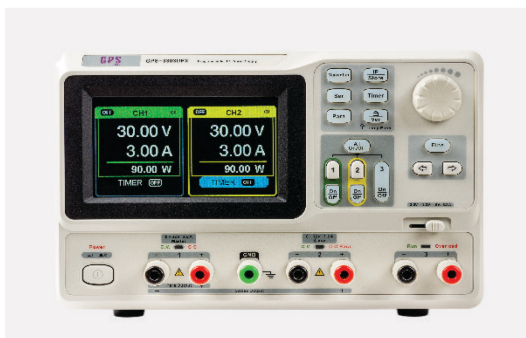
**GPS-3000 series**  
Linear DC Power Supply

Model	No. of Outputs	Range
GPS-3303S	Single	0~30V/0~3A
GPS-3305S	Single	0~30V/0~5A
GPS-3020S	Single	0~30V/0~20A
GPS-3303D	Triple	2 x (0~30V/0~3A) + 2.2~5V/1A
GPS-3306D	Triple	2 x (0~30V/0~6A) + 5V/3A
GPS-3603D	Triple	2 x (0~60V/0~3A) + 5V/3A



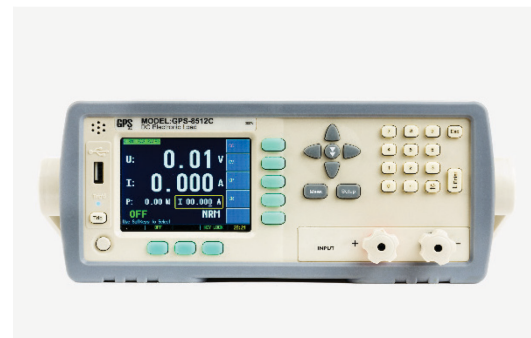
**GPS-3303DC**  
Programmable DC Power Supply

The GPS-3303DC is a linear programmable DC power supply and has a LED-Display, supports programmability and real time wave display, bringing a new experience to users. It has three isolated outputs: two adjustable channels (0 V – 32 V / 3.2A) and one selectable channel from 2.5 V, 3.3 V, and 5V (3.2 A max.). Software included.



**GPS-3303DPX**  
Programmable DC Power Supply with colour LCD

Ideal for cost-effectively testing a wide range of devices, circuit boards, modules and products that require multiple power sources. They provide two channels each capable of outputting up to 30V and 3A. The third channel can provide up to 5V at 3A. Low noise and linear regulation ensures that the level of power applied to the DUT's load terminals is super accurate. Software included.



**GPS-8512C**  
DC Electronic Load

Compact, economically priced instrument that is at home on both the bench and the production floor. The load can operate in CC, CV or CR mode while voltage/current or resistance/power values are measured and displayed in real time, making it well suited to test a variety of DC power sources. You can use the built-in file editor or RS232 and USB interface to edit the order list to complete highly efficient measurements.



Product Code	Connection Port	Pressure Range
DTG-2000-700G-0-0	1/4 NPT	-1 to 700 Bar
DTG-2000-350G-0-0	1/4 NPT	-1 to 350 Bar
DTG-2000-40G-0-0	1/4 NPT	-1 to 40 Bar
DTG-2000-20G-0-0	1/4 NPT	-1 to 20 Bar
DTG-2000-2G-0-0	1/4 NPT	-1 to 2 Bar

## DTG-2000 series

# Digital Test Gauge

The DTG-2000 series is a collection of low power consumption digital pressure gauges that offer an accurate and convenient replacement to standard analogue test gauges. Available in 5 standard ranges, the unit can display any of the following pressure units (Kpa, bar, Mpa, Psi, Kgf, mbar) while also possessing a tough seal and stainless-steel casing. Supplied as a stand-alone pressure indicator (with carry case) or in a kit with the widely-proven GPS hand pumps, the DTG-2000 series provides a reliable and economic solution for a wide range of pressure sensing applications.

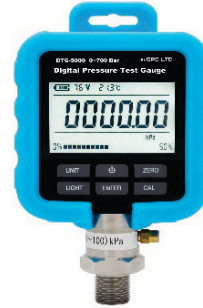
- 0.2% Full Scale (FS) accuracy (includes linearity and hysteresis)
- Pressure ranges from -1 Bar to 1000Bar
- Six selectable pressure units
- Easy to read LCD display with five-digit resolution
- Additional bar graph for quick visual reference
- Minimum/maximum function
- IP65 protection Class
- Optional 4-20mA output

1



**DTG-5000 series**

2



3



# Digital Test Gauge

The DTG5000 series pressure gauge is a new microprocessor controlled digital pressure gauge which offer high precision, stability and functionality in a compact and robust solution package. The gauge is powered by a rechargeable battery and offers an auto power off function in order to preserve the battery life. The sensor technology combined with advance designed feature results in a high accurate yet affordable digital pressure gauge. With a number of pressures ranges available, the DTG-5000 series offers an unbeatable cost-effective solution for accurate process monitoring and control. Supplied with rechargeable battery with life full scale indication.

- Pressure ranges up to 2500 bar (please refer to datasheet)
- Accuracy:  $\pm 0.025\%$  F.S,  $\pm 0.05\%$  F.S
- Work medium: Oil, water & non-corrosive gases
- Over pressure alarm function

**1. DTG-5000 series**  
0-700 Bar

**2. DTG-5000 series**  
ABS Plastic casing

**3. DTG-5000 series**  
Compound Type gauge

# Happy Customers

Just a selection of our happy customers. GPS LTD provides a level of loyalty and satisfaction that our customers experience while engaging with our product, services, or team. Our customers have their needs met regularly, at the right time, in the right way.



## CERN PROJECT (SWITZERLAND)

CERN, the European Organization for Nuclear Research, is one of the world's largest and most respected centres for scientific research.



## VIDEOLINEA (ITALY)

VIDEOLINEA SYSTEM is an established commercial company and supply professional & broadcast audio/video equipment from the single spare part for VTR to the complete turnkey system.



## HITACHI (JAPAN)

Hitachi offers a wide range of sustainable technology solutions, industrial services and equipment, rail and automotive products, healthcare and life science solutions, energy solutions, IT infrastructure services, and more.

THE GPS LTD Online Shop is coming soon

# How to Order

STEP

1

## CHOOSE THE PRODUCT

Browse the online shop for a full range of laboratory test and measurement equipment. Customise the product to meet your specification. Add products to your cart as you go.

STEP

2

## CHECK OUT

Once you have selected the required products, use the checkout button and fill in the required details. The Standard Next Day Service is charged at £15 (excl. VAT) for UK Mainland (with exceptions).

STEP

3

## PAYMENT PROCESS

All major debit and credit cards are accepted. Alternatively, call us to open a trade account, or find out other payment methods that would suit you.

STEP

4

## CONFIRM ORDER

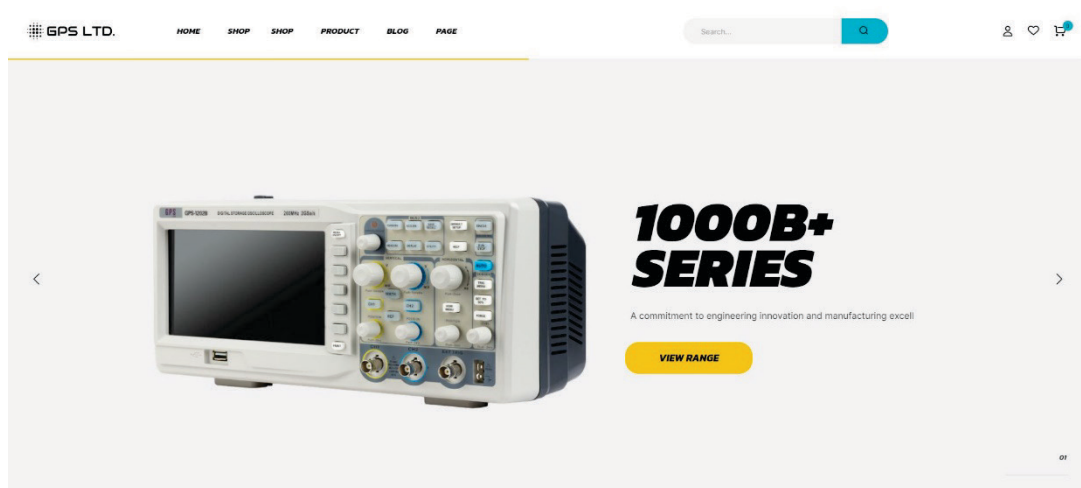
All orders received through our Online Shop are processed and subject to stock availability and security checks, despatched the day of receiving the order. If your order is not in stock, we will back order for you.

STEP

5

## DELIVERY

When your confirmation of order is received, this is to indicate we have received your order. It does not confirm that a contract exists between us. Acceptance of your order, hence a contract will be upon us sending you an invoice.



# Terms & Policies



These General Sales Conditions shall regulate relationships between the company General Polytronic Systems Ltd., 14 Regent St. London, NW10 5LG, UK (herein forth referred to as: Seller or GPS LTD) and natural and/or legal persons as Buyers (herein forth referred to as: Buyer) of products, services and innovative solutions from the sales range of the company GPS LTD (herein forth referred to as: Goods). "Product" means any standard hardware or consumables sold. "Service" means any standard support service to support Products.

## PAYMENT TERM

Payment Terms are stated in the quotation or acknowledgement documentation and are subject to change if Customers financial condition or payment record merits such change. GPS Ltd. may discontinue performance if Customer fails to pay any sum due, or fails to perform under this or any other GPS Ltd. agreement.

## RETURN / EXCHANGE

The warranty does not cover electrical or mechanical damage resulting from misuse or abuse, lack of reasonable care, damage due to force majeure or natural forces, or inadequate repairs performed by unauthorized service centres. If GPS Ltd. receives notice of a defect or non-conformance during the warranty period, GPS Ltd. will, at its option, repair or replace the affected Product.

## GUARANTEE

Each Products will receive a global warranty of 12 months. A global warranty includes the standard warranty for the country of purchase. If a Product is moved to another country, the destination country's standard warranty will apply except for on-site warranty where GPS Ltd. does not have an applicable Product specific support presence or authorized representative. The warranty period begins on acceptance.

## DELIVERY / SHIPPING

Unless otherwise indicated on the quotation, prices include shipping and handling charges. Customer may cancel orders prior to shipment subject to applicable charges and a compensation fee. For Products without installation included in the purchase price, acceptance occurs upon delivery. For Products with installation included in the purchase price, acceptance occurs when the Product passes GPS LTD's test procedures.

## ORDER STOCK

The standard delivery period shall be 4-weeks from confirmation of the Order that was placed by the Buyer. The Seller makes the Goods available to the Buyer at his premises (EXW – Incoterms 2010). Ex-works price of the supplier (EXW) shall be construed in accordance with the Incoterms in force at the time of the confirmed

## OTHER TERMS

The parties agree to comply with applicable laws and regulations. GPS Ltd. may suspend performance if Buyer is in violation of applicable laws or regulations.







# Get In Touch



## CONTACT US

Phone : +44 [0]203 093 0914

Email : sales@gpslimited.com

Website : www.gpslimited.com

## SOCIAL MEDIA

LinkedIn : /GPS-LTD.

Facebook : /GPSlimited

Twitter : @GPSLTD

## OUR STORE

Unit 7A, 10 Wellington Road  
London, NW10 5LK, UK