GPS Ltd.

GPS-2100S

A series of single-channel function generatorsto simplify functionality and still deliverperformance

Integrating the newly innovated EasyPulse© technology,SDG2100S range can generate pulse of low jitter, quick rising/falling edge regardless of frequency effect, while the duty cycle, edge and pulse width canbe extensively and accurately adjusted. This gives a major advantage over any DDS generator in the market with it's versatility. With it's built-in 46 types of arbitrary waveforms, complete set of modulation functions and powerful PC waveform editing software, EasyWave©, the GPS-2100S series provides a comprehensive package at an unbeatable price.

Key Features

- Advanced DDS technology with 125MSa/s sampling rate and 14bit vertical resolution
- Configurable with powerful arbitrary waveform editing software EasyWave (included)
- Innovative EasyPulse© technology
- Standard interfaces: USB Device, USB Host, support U-Disk storage
- Can be seamlessly connected to any GPS Ltd Digital Storage Oscilloscope
- Supports remote control

Ideal For

- Analog sensors
- Simulating environmental signals
- Circuit function tests
- IC tests
- Research and training

"I'm impressed with the user friendly interface, supported by the LCD screen.

It's very simple to recall and modify signals.

I'm a happy user and for me it is just what i expect,avalue for money waveformgenerator. "

"I purchased this to replace a malfunctioning unit of adifferentbrand. Not only was it cheaper, the functions were easy anddidexactly what I needed. Great for prototyping analogsystems. "

TechnicalSpecifications

Model	GPS-2015S	GPS-2110S	GPS-2130S
Maximum output frequency	5 MHz	10 MHz	30 MHz
Output channels	1		
Sampling rate	125 MSa/s		
Wave length	16 kpts		
Frequency resolution	1 µHz		
Vertical resolution	14 bit		
Waveform	Sine, Square, Ramp, Pulse, Gaussian white noise; Arbitrary waveform: 46 types of built-in arbitrarywaveforms		
Sine wave	1 µHz ~ 5 MHz	1 µHz ~ 10 MHz	1 µHz ~30 MHz
Square wave	1 µHz ~ 5 MHz	1 µHz ~ 10 MHz	1 µHz ~10 MHz
Pulse	500 µHz ~ 5 MHz	500 µHz ~ 5 MHz	500 µHz ~5 MHz
Ramp/Triangular	1 µHz ~ 300 KHz	1 µHz ~ 300 KHz	1 µHz ~ 300 KHz
Gaussian white noise	>5 MHz bandwidth (-3dB)	>10 MHz bandwidth (-3dB)	>30 MHz bandwidth (-3dB)
Arbitrary waveform	1 µHz ~ 5 MHz	1 µHz ~ 5 MHz	1 µHz ~ 5 MHz
Modulation function	AM, FM, PM, DSB-AM, FSK, ASK, PWM, Sweep, Burst		
Standard configuration	USB Host & USB Device		
Amplitude (high impedance)	4 mVpp~20 Vpp (≤10 MHz) 4 mVpp~10 Vpp (>10 MHz)		

Standard Accessories
Easyscope© software
USB cable
220V AC EU power cord
(unit is 220V and 110V selectable)
Quick-start guide

Input Voltage
100~240 VACRMS, 45~66Hz, CATII
100~127 VACRMS, 45~440Hz, CATII

Languages
English, French, Japanese, Korean, German, Russian, Italian, Portuguese

EMC
2004/108/EC Directive
Applicable standards EN 61326-1:2006
EN 61000-3-2:2006 + A2:2009
EN 61000-3-3:2008

Safety
2006/95/EC Low Voltage Directive
EN 61010-1:2010

TUV
UL 61010-1:2012
CAN/CSA-C22.2 NO.61010-1:2012

General Specifications

Dimensions
229 x 105 x 281mm / 9 x 4 x 11" (w x d x h)approx

Mass
2.6kg/5.7lbs approx

Operating: 0°C ~40°C
Below +35°C:≤90% relativehumidity
+35°C ~ +40°C:≤60% relative humidityOperating:
≤3000m

Services
1 year warranty (subject to product registrationwith GPSLtd)

Visitwww.gpslimited.com/register-product)

Service and calibration available. Please contactfor more information

Part Number
200105(5MHz)
201010(10MHz)
203130(30MHz)

www.gpslimited.com/2100s
For all enquiries Tel: +44 (0) 208 964 3600
Email: info@gpslimited.com

Rev2