



GPS

2100+

A dual channel arbitrary function generator that impressively provides a variety of accurate and clean signals to support a wide range of applications

With the integrated EasyPulse[®] technology technique, many common weaknesses of the current generators on the market are resolved with regards to pulse waveforms. EasyPulse[®] overcomes the one-clock jitter issue to produce the most complete accurate display. The generator also integrates special circuitry for square waveforms for more precise rise/fall times at its highest frequencies. With an easy-to-read color display and intuitive user interface with numeric keypad, these instruments offer plenty of features including linear/logarithmic sweep, built-in counter, extensive modulation and triggering capabilities, a continuously variable DC offset, and a high performance 14-bit, 150 MSa/s arbitrary waveform generator. CH1 and CH2 outputs can both be varied from 0 to 10 Vpp into 50 ohms (up to 20 Vpp into open circuit).



Figure 1 Model shown GPS-2160+

Key Features

- Advanced DDS technology with 150MSa/s sampling rate and 14bit vertical resolution
- Innovative TrueArb technology - no data points missed or repeated
- Innovative EasyPulse[®] technology
- Rich modulation features
- Sweep/Burst function
- Harmonics generator function
- Waveform combining function
- High precision frequency counter

Ideal for

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

Technical Specifications

Model	GPS-2130+	GPS-2160+
Maximum output frequency	30 MHz	60 MHz
Output channels	2	
Sampling rate	150 MSa/s	
Wave length	16 KPts	
Frequency resolution	1 μ Hz	
Vertical resolution	14-bit	
Waveform	Sine, Square, Ramp, Pulse, Gaussian white noise; Arbitrary waveform: 196 types of built-in arbitrary waveforms	
Sine wave	1 μ Hz ~ 60 MHz	
Square wave	1 μ Hz ~ 60 MHz	
Pulse	1 μ Hz ~ 12.5 MHz	
Ramp/Triangular	1 μ Hz ~ 500 kHz	
Gaussian white noise	>60 MHz	
Arbitrary waveform	1 μ Hz ~ 6 MHz	
Modulation function	AM, FM, PM, FSK, ASK, PWM, Sweep, Burst	
Standard configuration	USB Host, USB Device, LAN	
Amplitude (high impedance)	4 mVpp~20 Vpp (\leq 10 MHz), 4 mVpp~10 Vpp (>10 MHz)	

Standard Accessories

EasyWave© software
 USB cable
 220V AC EU power cord
 (unit is 220V and 110V selectable)
 Quick-start guide
 Calibration certificate

LVD

IEC 61010-1:2010

EMC

EN61326-1:2013

Input Voltage

100 - 240 Vrms (\pm 10%), 50 / 60 Hz
 100 - 120 Vrms (\pm 10%), 400 Hz

Languages

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

General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
GPS-2130+	30MHz, 2 channels, function/arbitrary waveform generator w/ LAN	201303
GPS-2160+	60MHz, 2 channels, function/arbitrary waveform generator w/ LAN	201600

Dimensions

260 x 107 x 295mm / 10 x 4 x 12" (w x d x h) approx.

Mass

3.4kg/7.5lbs approx.

Operating:

0°C ~ 40°C
 Below +30°C: \leq 90% relative humidity
 +30°C ~ +40°C: \leq 50% relative humidity
 \leq 3048m

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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