

The Best Value in Electronic Test & Measurement



SDG800 Series Function/Arbitrary Waveform Generators



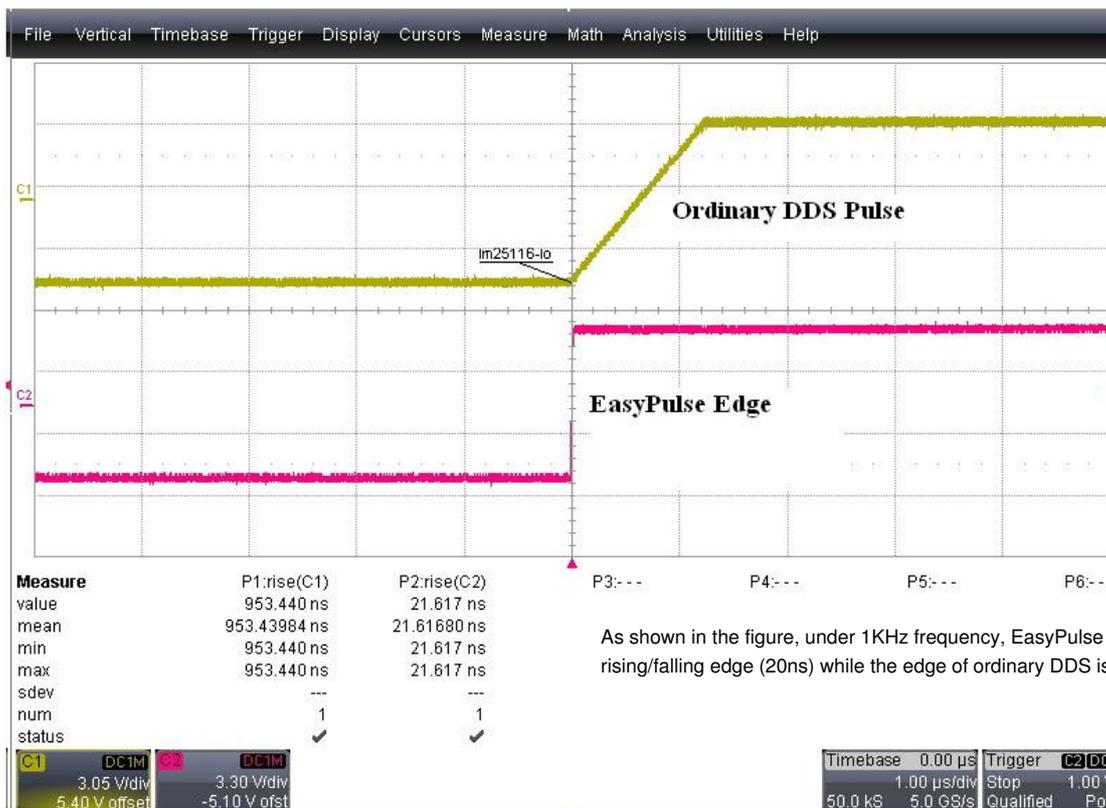
Product Overview

The SDG800 series function/arbitrary waveform generator family outputs waveform functions up to up to 5MHz (pulse), 10MHz (square), 30MHz (sine) and has a sampling rate of 125MSa/s. They are powered with SIGLENT's 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.

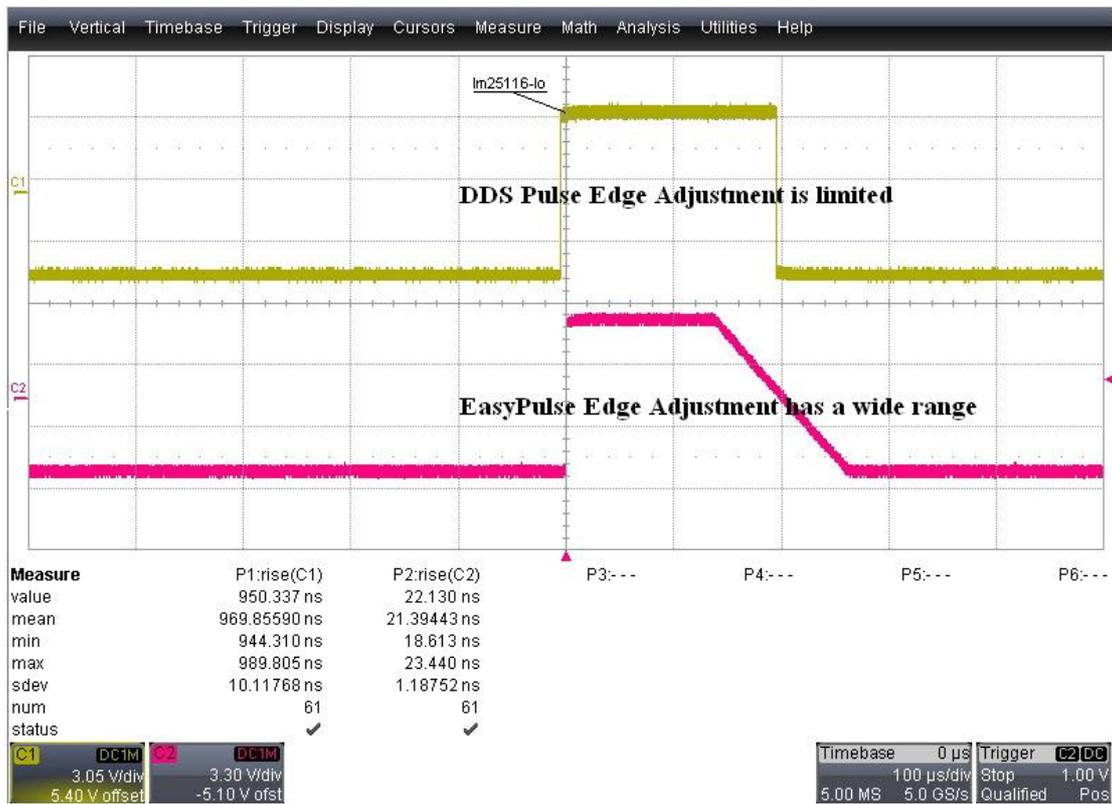
Key Features

- ◆ Advanced DDS technology, 125MSa/s sampling rate, 14bit vertical resolution
- ◆ Single channel output, 5 types of standard waveforms, built-in 46 kinds of arbitrary waveforms (including DC)
- ◆ Complete modulation functions: AM, DSB-AM, FM, PM, FSK, ASK, PWM, linear/logarithmic sweep, and burst
- ◆ Innovative EasyPulse technology, can output pulses with low jitter and quick rising/falling edges
- ◆ Standard interfaces: USB Device, USB Host, support U-Disk storage
- ◆ Provides 10 nonvolatile storage spaces for user's arbitrary waveforms
- ◆ Can be seamlessly connected to SIGLENT Digital Storage Oscilloscope
- ◆ Configurable with powerful arbitrary waveform editing software EasyWave

Characteristics Comparison of edge under 1KHz pulse signal

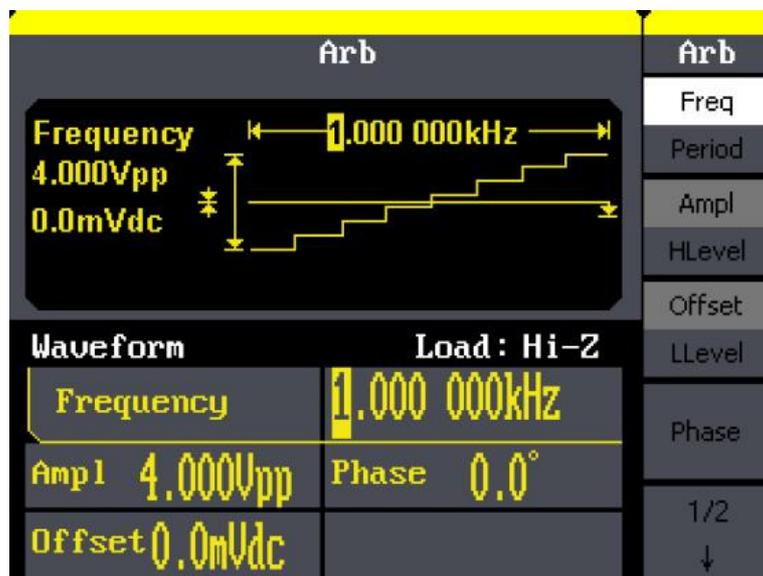


Comparison of edge adjusting range under 1KHz pulse signal



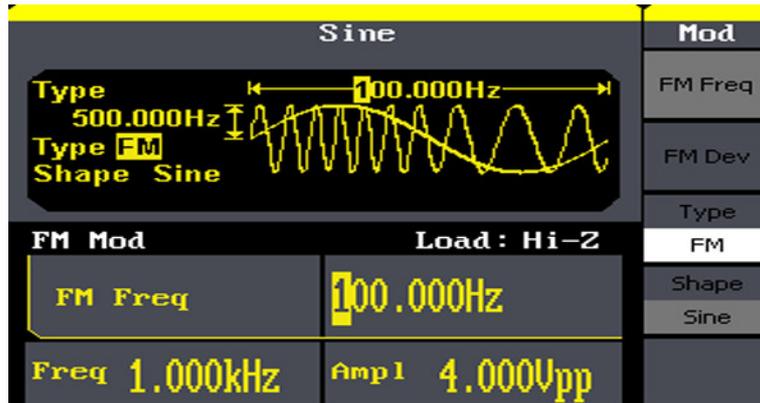
EasyPulse edge adjustment has a wide range, while ordinary DDS pulse edge adjustment is limited.

Built-in 46 kinds of arbitrary waveforms (including DC)



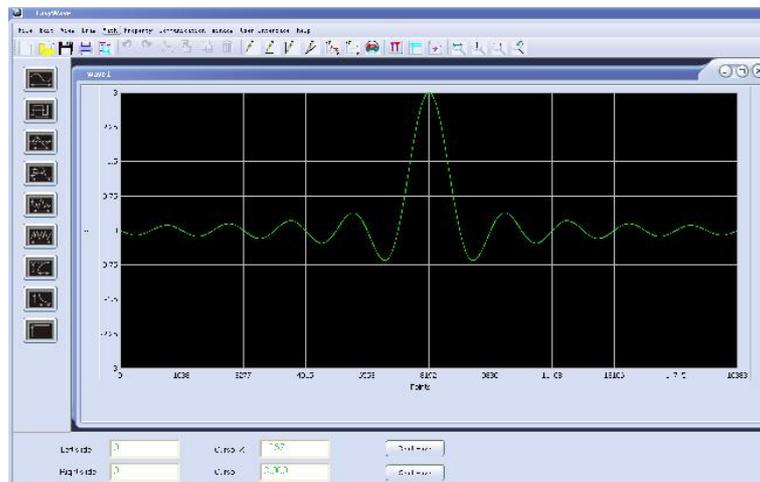
SDG800 Series can output 5 kinds of standard waveforms and 46 kinds of commonly used waveforms, including common waveforms, mathematical functions, application functions, window functions and trigonometric functions.

Multiple modulation function



SDG800 Series support multiple modulation function: AM, DSB - AM, FM, PM, FSK, ASK, PWM, linear/logarithmic sweep and burst.

Supports PC editing software EasyWave



Siglent's SDG800 Series of generators support powerful PC editing software, EasyWave, which can output arbitrary waveforms with 14bit vertical resolution and 16 Kpts wave length. EasyWave provides 9 standard waveforms: Sine, Square, Ramp, Pulse, ExRise, ExpFall, Sinc, Noise and DC, which meet all engineers' basic needs. In addition, it provides a variety of drawing modes including manual drawing, straightline drawing (including horizontal straightline, vertical straightline, point-to-point straightline), coordinate drawing and equation drawing, making it easy to generate complex waveforms. Multiple Document Interface management allows for simultaneous multiple-waveform editing. The SDG800 Series provides 10 nonvolatile storage spaces for arbitrary waveforms, and you can also edit and store more waveforms through the EasyWave software.

Ordering Information

Product Model

SDG830, 30 MHz, 2 channel

SDG810, 10 MHz, 2 channel

SDG805, 5 MHz, 2 channel

Standard Accessories

Warranty Card

A USB cable

A QuickStart Guide

A product qualification certificate

CD (contains EasyScope PC software)

A power cord designed for the instrument and authorized by local country

Optional Accessories

USB-GPIB adapter

BNC Cable

Model	Max output frequency	Max sampling rate	Vertical resolution	Wave length	Channels
 SDG830	30MHz	125M Sa/s	14bit	16Kpts	1CH
 SDG810	10MHz	125M Sa/s	14bit	16Kpts	1CH
 SDG805	5MHz	125M Sa/s	14bit	16Kpts	1CH

Verkauf und technische Betreuung

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