



ENGLISH

Datasheet

RS Pro Arbitrary Waveform Generator 80MHz

Stock No: 123-6461



3-year warranty

Product Details

RS Pro RSDG2000X Series function/arbitrary waveform generators represent great value while also offering innovative features. The proprietary TrueArb & EasyPulse techniques help resolve weaknesses of traditional DDS generators when generating arbitrary, square and pulse waveforms. Using these techniques RSDG2000X can provide users with a variety of high fidelity, low jitter signals to meet the ever-growing demand for more complex and extensive applications.

Key Features

- Dual-channel, 120MHz maximum bandwidth, 20Vpp maximum output amplitude, high fidelity output with 80dB dynamic range
- High-performance sampling system with 1.2GSa/s sampling rate and 16-bit vertical resolution. No detail in your waveforms will be lost
- Innovative TrueArb technology, based on a point-by-point architecture, supports any 8pts~8Mpts Arb waveform with a sampling rate in range of 1 μ Sa/s~75MSa/s
- Innovative EasyPulse technology, capable of generating lower jitter Square or Pulse waveforms, brings a wide range and extremely high precision in pulse width and rise/fall times adjustment
- Plenty of analog and digital modulation types: AM、DSB-AM、FM、PM、FSK、ASK and PWM
- Sweep and Burst function
- High precision Frequency Counter
- Standard interfaces: USB Host, USB Device (USBTMC) , LAN (VXI-11)
Optional interface: GPIB
- 4.3" touch screen display for easier operation

Models and Key Specifications

Sampling rate	1.2 GSa/s (4X Interpolation)
Vertical resolution	16 bit
Num. of channels	2
Max. amplitude	$\pm 10V$
Display	4.3" touch screen display, 480 x 272 x RGB
Interface	Standard: USB Host, USB Device, LAN Optional: GPIB (USB-GPIB adaptor)