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AG1012

Dual-channel Arbitrary Waveform Generator

- + Advanced DDS technology, 100MHz frequency output
- + 125MS/s sample rate, and 1μHz frequency resolution
- + Vertical Resolution : 14 bits, up to 1M arb waveform length
- + Comprehensive waveform output : 5 basic waveforms, and 45 built-in arbitrary waveforms
- + Comprehensive modulation functions : AM, FM, PM, FSK, PWM, Sweep, and Burst
- + High-accuracy frequency counter integrated, supported range 100mHz - 200MHz
- + Supported SCPI

+ Performance Specifications

Model	AG1012
Channel	dual
Frequency Output	10MHz
Sample Rate	125MS/s
Vertical Resolution	14 bits

Waveform

Standard Waveform	Sine, Square, Pulse, Ramp, and Noise
Arbitrary Waveform	Exponential Rise, Exponential Fall, Sin(x)/x, Step Wave, and others, total 45 built-in waveforms, and user-defined arbitrar y waveform

Frequency (resolution 32 bits)

Sine	1μHz - 10MHz
Square	1μHz - 5MHz
Pulse	1μHz - 5MHz
Ramp	1μHz - 1MHz
Noise	25MHz (-3dB) (typical)
Arb	1μHz - 10MHz

Amplitude

Amplitude	1mVpp - 10Vpp (50Ω), 1mVpp - 20Vpp (high impedance)
Resolution	1mVpp or 14 bits
DC Offset Range (AD+DC)	±5V (50Ω), ±10V (high impedance)
DC Offset Range Resolution	1mV

Load Impedance	50Ω (typical)
Model	AG1012

Arbitrary Waveform

Wave Length	2 pts to 8K pts
Sample Rate	125MS/s
Vertical Resolution	14 bits
Non-volatile Memory	26 waveforms

Input / Output

Display	4 inch (480 × 320 pixels) TFT LCD
Type	external reference clock input / output
Communication Interface	USB host, USB device, RS232

Mechanical

Dimension (W×H×D)	235 × 110 × 295 (mm)
Weight (without package)	3.00 kg

Specifications subject to change without prior notice.

+ Application

design and debug circuit function test education & training

+ Accessories

The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB



Q9