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AG 4151

Single-channel Arbitrary Waveform Generator

+ Advanced DDS technology, 150MHz frequency output
+ Up to 400MS/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
+ Supported SCPI
+ 4inch high resolution (480 × 320 pixels) TFT LCD display

+ Performance Specifications

Model	AG4151
Channel	single + trigger
Frequency Output	150MHz
Sample Rate	400MS/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, user-defined arbitrar y waveform
Frequency (resolution 48 bits)	
Sine	1μHz - 150MHz
Square	1μHz - 50MHz
Pulse	1μHz - 25MHz
Ramp	1μHz - 1MHz
Noise	50MHz (-3dB) (typical)
Arb	1μHz - 10MHz
Amplitude	
Amplitude	10m Vpp - 10 Vpp (50Ω), 20m Vpp - 20 Vpp (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)
Arbitrary Waveform	
Wave Length	2 pts to 1M pts
Sample Rate	200MS/s
Vertical Resolution	14 bits
Non-volatile Memory	26 waveforms
Modulation	
Modulation Waveform	AM, FM, PM, FSK, PWM, Linear / Logarithm Sweep, and Burst
Modulation Frequency	2mHz to 20.00KHz (FSK 1μHz - 100KHz)
Input / Output	
Display	4 inch (480 × 320 pixels) TFT LCD
Type	external modulation input / output, external trigger input / output, 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