

DDS Arbitrary Waveform Generator



NEW!

Main Feature:

1. Advanced DDS technology , Max 150MHz frequency output
2. Up to 400Msa/S sample rate and 32bits Frequency resolution
3. Vertical Resolution: 14bits , Up to 1 M Arb wavelength
4. Comprehensive waveform outputs : Sine , Square , Ramp , Pulse , Noise , Sinc , Exponential Rise and Decay, 32 channels digital waveform , DC and user defined arbitrary waveform
5. Comprehensive modulation functions : AM, FM, PM, FSK, PWM
6. 3.9 inch high resolution (480×320 pixels) TFT LCD display

Dimensions: 235mm(W)×110mm(H)×295mm(D)
Weight: 3.2KG

Performance characteristics

| Model | AG4151 | AG1022 |
|---|---|--|
| Channel | 1 | 2 |
| Frequency output | 150MHz | 25MHz |
| Sample rate | 400MSa/S | 130MSa/S |
| Vertical Resolution | 14 bits | |
| Waveforms | | |
| Standard Waveforms | Sine, Square, Ramp, Pulse, Noise | |
| Arbitrary Waveforms | Sinc , Exponential Rise and Decay , DC, User defined , Sin(X)/X, 32 channels digital waveform | Sinc , Exponential Rise and Decay , DC, User defined |
| Frequency Characteristics(Resolution 32bits) | | |
| Sine | 1 μ Hz— 150MHz | 1 μ Hz— 25 MHz |
| Square | 1 μ Hz— 50 MHz | 1 μ Hz— 10 MHz |
| Pulse | 1 μ Hz— 30 MHz | 1 μ Hz— 5MHz |
| Ramp | 1 μ Hz— 1MHz | 1 μ Hz— 1MHz |
| Noise | 50MHz | 20MHz |
| Arb | 1 μ Hz— 10 MHz | 1 μ Hz— 5MHz |
| Amplitude Characteristics | | |
| Output Amplitude | 10mVPP-10VPP(50 Ω) 20mVPP-20VPP(High Impedance) | |
| Amplitude Accuracy | 1mVPP or 14bits | |
| DC Offset Range (AD+DC) | ± 5V(50 Ω)± 10V(High Impedance) | |

Performance characteristics

| Model | AG4151 | AG1022 |
|-----------------------------------|--|----------------------|
| DC Offset Range | 1mV | |
| Output Impedance | 50Ω(Typical) | |
| Arb Characteristics | | |
| Waveform Length | 2 to 1Mpts | 2 to 8Kpts |
| Sample Rate | 200MSa/s | 130MSa/s |
| Vertical Resolution | 14 bits | |
| Non-Volatile Memory | 4 waveforms | |
| Modulation Characteristics | | |
| Modulation Types | AM FM PM PWM FSK SWEEP BURST | None |
| Modulating Frequency | 2mHz to 20.00KHz (FSK 2mHz-100KHz) | None |
| Input /Output | | |
| Display | 3.9 inch (480 × 320) TFT LCD | |
| Input Type | External modulation input/output, External trigger input/output, External reference clock input/output | None |
| Interface | USB Host, USB Device, RS232, LAN | USB Host, USB Device |

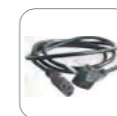
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Application

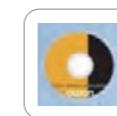
Design and Debug Circuit function test
Identified signals logic information Education & Training Mixed signal circuit test

Accessories

The receipt of accessories should be taken as final.



Power cord



CD-Rom



Manual



Q9