

TEKTRONIX

AWG2021

The Tektronix AWG2021 is a 250 MS/s Arbitrary Waveform Generator providing high-precision waveform generation with 12-bit vertical resolution and a 256 k memory depth. It features a real-time waveform sequencer, 4 ps edge placement via a region shift function, and optional digital data generation capabilities.

SPECIFICATIONS

General

Interfaces	GPIO (IEEE-488.2), RS-232-C
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Channel & Sampling Characteristics

Maximum Sample Rate	250 MS/s
Vertical Resolution	12-bit
Memory Depth	256 k

Clock & Timing Characteristics

Clock Frequency Range	10 Hz to 250 MHz
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Analog Output Characteristics

Maximum Waveform Frequency	125 MHz
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Waveform Generation & Sequencing

Sequencing	Real-time Waveform Sequencer
Waveform Entry Methods	Formula Entry, Direct DSO Waveform Transfers
Frequency Domain Editor	Available via Option 09 (FFT)

Interfaces & Connectivity

Mass Storage	Built-in 1.4 MB, 3.5 in. Floppy Disk
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Output

Output Channels	1 (standard), 2 (with Option 02)
Output Impedance	50 Ω
Amplitude Range	50 mV to 5 V p-p (into 50 Ω)
DC Offset Range	-2.5 V to +2.5 V (into 50 Ω)
Output Connectors	BNC

Triggering

Trigger Modes	Continuous, Triggered, Burst, Gated
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