

Advanced Test Equipment Rentals > www.atecorp.com 800-404-ATEC (2832)

AFG3000 Series Arbitrary/Function Generators

Intuitive GUI, Shortcut Keys, Simple Menus, 12 Standard Functions





Features & Benefits

Up to 240 MHz sine waves

Up to 120 MHz pulse waves

Up to 2 GS/s arbitrary waveforms

Modulation, Sweep and Burst Modes

Large color display provides all the relevant settings at a single glance (monochrome on AFG3021)

Detailed display of waveform shape, modulation, and trigger signal with time and amplitude scale gives full confidence in signal settings

USB storage devices plug in the front panel to extend storage capacity and save waveforms and instrument settings

Shortcut keys provide direct access to frequently used functions and parameters

Context-sensitive help allows the user to learn about various features and functions

Dual-channel models save cost and bench space

Pulse Generator, with variable edge times as short as 2.5 ns

Noise generator to add variable noise in each channel

Trigger/Sync Inputs and Outputs

Sum-input to add external signal to output

Selectable User Interface Language

► Applications

Electronic Test and Design

Sensor Simulation

Functional Test

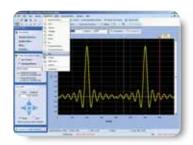
Education and Training



Stackable
AFG3000 Series
instruments stack
perfectly with
TDS1000/2000/3000
Oscilloscopes.



Compact 13" wide (330 mm) 6.2" high (156 mm) 6.6" deep (168 mm).



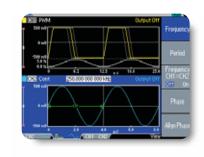
ArbExpress™ Software

With this PC software, custom waveforms can be created and modified with ease, imported seamlessly from any Tektronix oscilloscope or defined via equation editor, free hand, point draw and waveform math.



Waveform Parameters

View waveform parameters of channel 1 and 2 simultaneously (dual channel models).



Waveform Graph

View waveforms of channel 1 and 2 simultaneously (dual channel models).

Ordering Information

AFG3021, AFG3022, AFG3101, AFG3102, AFG3251, AFG3252.

Standard Accessories: quick start user manual, calibration certificate, CD-ROM with reference user manual, service manual and ArbExpress™ software.

Customers specify power plug and quick start manual version when ordering.

Options

International Quick Start User Manuals

Opt. L0 - English.

Opt. L1 – French. Opt. L2 – Italian.

Opt. L3 – German.

Opt. L4 - Spanish.

Opt. L5 - Japanese.

Opt. L7 – Simplified Chinese.

Opt. L8 - Traditional Chinese.

Opt. L9 - Korean.

Opt. L10 - Russian.

Recommended Accessories

RM3100 - Rackmount kit.

013-0345-00 - Fuse adapter, BNC-P to BNC-R.

159-0454-00 - Fuse set, 3pcs, 0.125A.

Warranty

Three years warranty on parts and labor.

▶ Key Product Specifications

Product	AFG3021	AFG3022	AFG3101	AFG3102	AFG3251	AFG3252
Channels	1	2	1	2	1	2
Waveforms	Sine, Square, Pulse, Arb, Ramp, Sin(x)/x, Gaussian, Lorenz, Exponential Rise/Decay, Haversine, Noise					
Sine	1 mHz to 25 MHz		1 mHz to 100 MHz		1 mHz to 240 MHz	
Square/Pulse/Arb	1 mHz to 12.5 MHz		1 mHz to 50 MHz		1 mHz to 120 MHz	
Other waveforms	1 mHz to 250 kHz		1 mHz to 1 MHz		1 mHz to 2.4 MHz	
Noise bandwidth	25 MHz		100 MHz		240 MHz	
Arb sample rate (waveform length)	250 MS/s		1 GS/s (≤16K) 250 MS/s (>16K)		2 GS/s (≤16K) 250 MS/s (>16K)	
Waveform memory	4 x 2 to 64K 4 x 2 to 128K					
Modulation	AM, FM, PM, FSK, PWM					
Frequency resolution	1 μHz or 12 digits					
Timebase stability	± 1 ppm per year					
Vertical resolution	14 bits					
Sweep	lin, log					
Amplitude into 50	10 mV _{p-p} to 10 V _{p-p}		20 mV _{p-p} to 10 V _{p-p}		≤200 MHz: 50 mV _{p-p} to 5 V _{p-p} >200 MHz: 50 mV _{p-p} to 4 V _{p-p}	
Amplitude resolution	0.1 mV _{p-p} or 4 digits					
Add input	-		Yes			
Interface	UŞB			USB, LA	N, GPIB	
Price	\$1,780	\$2,700	\$3,600	\$4,800	\$6,400	\$8,500

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