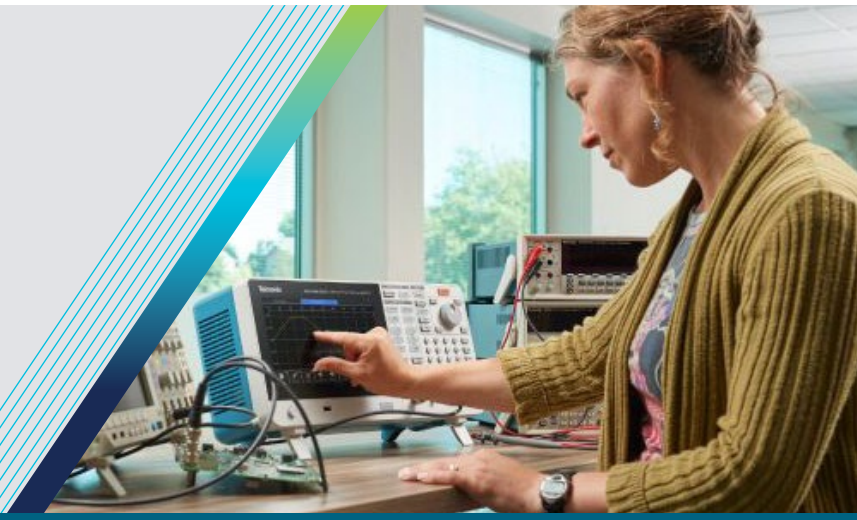
Tektronix®

www.tek.com/AFG31000

BETTER TESTING. FASTER.

Replace your AFG3000 Series with the Innovative AFG31000 Series Arbitrary / Function Generator



The Tektronix AFG3000 Series Arbitrary / Function Generators are being discontinued and replaced by the AFG31000 Series Arbitrary / Function Generators. The high-performance AFG31000 Series offers built-in waveform generation application, patented real-time wave monitoring, and a modern user interface in a powerful, affordable, and easy-to-use AFG.

The large capacitive touchscreen and built-in ArbBuilder tool enable users to create and edit arbitrary waveforms right on the instrument.

SAVE TIME AND EFFORT WITH THE NINE–INCH TOUCHSCREEN

The AFG31000 Series features the industry's largest AFG touchscreen; pinch, zoom, and scroll just like a smart device to easily locate settings and parameters on the simple menu or shortcuts to frequently-used settings.

VERIFY YOUR WAVEFORM AT THE DEVICE UNDER TEST

Patented InstaView™ technology lets you see the actual waveform at the device under test (DUT) in real time – without an oscilloscope or probe – eliminating any uncertainty typically caused by mismatched impedance.

GENERATE MULTIPLE WAVEFORMS WITH COMPLEX TIMING

Advanced waveform generation and programming capabilities make it easy to compose a list or a sequence of 1 to 256 waveforms with total waveform length up to 16 Mpts/ch (128 Mpts/ch optional) and define the output sequence of these waveforms.

CREATE AND EDIT ARBITRARY WAVEFORMS ON THE AFG

The built-in ArbBuilder editing tool includes everything you need to create, edit, and transfer an ARB waveform without the need to connect to a PC.

DOUBLE PULSE TEST IN UNDER A MINUTE

Built-in double pulse test software lets you generate two waveforms with varying pulse widths (from 20 ns to 150 µs) in under a minute directly on the touchscreen display without an external PC application or manual programming.

Generate varying pulse widths in under a minute directly on the touchscreen display by add-on apps or the powerful ArbBuilder.

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UPDATE YOUR BENCH WITH THE INNOVATIVE AFG31000 SERIES

Effective December 30, 2020, the AFG3000 Series Arbitrary Function Generators, with the exception of the AFG3011C with unique 20 Vp-p output, will no longer be available for sale. The following table matches the discontinued models with the suggested replacement from the AFG31000 Series.

Discontinued Model	Suggested Replacement	Description
AFG3021C	**AFG31021**	1-Ch, 25 MHz Bandwidth, 250 MSa/s sample rate, 16 M pts arb memory, 14-bit vertical resolution, 10 Vpp to 50 ohm, traceable cal cert std.
AFG3022C	**AFG31022**	2-Ch, 25 MHz Bandwidth, 250 MSa/s sample rate, 16 Mpts arb memory, 14-bit vertical resolution, 10 Vpp to 50 Ω, traceable cal cert std.
AFG3051C	**AFG31051**	1-Ch, 50 MHz Bandwidth, 500 MSa/s sample rate, 16 Mpts arb memory, 14-bit vertical resolution, 10 Vpp to 50 Ω, traceable cal cert std.
AFG3052C	**AFG31052**	2-Ch, 50 MHz Bandwidth, 500 MSa/s sample rate, 16 Mpts arb memory, 14-bit vertical resolution, 10 Vpp to 50 Ω, traceable cal cert std.
AFG3101C	**AFG31101**	1- Ch, 100 MHz Bandwidth, 1 GSa/s sample rate, 16 Mpts arb memory, 14-bit vertical resolution, 10 Vpp to 50 Ω, traceable cal cert std.
AFG3102C	**AFG31102**	2-Ch, 100 MHz Bandwidth, 1 GSa/s sample rate, 16 Mpts arb memory, 14-bit vertical resolution, 10 Vpp to 50 Ω, traceable cal cert std.
AFG3151C	**AFG31151**	1-ch, 150 MHz Bandwidth, 2 GSa/s sample rate, 16 Mpts arb memory, 14-bit vertical resolution, 5 Vpp to 50 Ω, traceable cal cert std.
AFG3152C	**AFG31152**	2-Ch, 150 MHz Bandwidth, 2 GSa/s sample rate, 16 Mpts arb memory, 14-bit vertical resolution, 5 Vpp to 50 Ω, traceable cal cert std.
AFG3251C	**AFG31251**	1-ch, 250 MHz Bandwidth, 2 GSa/s sample rate, 16 Mpts arb memory, 14-bit vertical resolution, 5 Vpp to 50 Ω, traceable cal cert std.
AFG3252C	**AFG31252**	2-Ch, 250 MHz Bandwidth, 2 GSa/s sample rate, 16 Mpts arb memory, 14-bit vertical resolution, 5 Vpp to 50 Ω, traceable cal cert std.
RM3100	**AFG31000-RMK**	Rackmount kit
AFG3102CGSA	**AFG31022GSA**	2-Ch GSA model, 100 MHz Bandwidth, 1 GSa/s sample rate, 16 Mpts arb memory, 14-bit vertical resolution, 10 Vpp to 50 Ω, traceable cal cert std.
AFG3152CGSA	**AFG31152GSA**	2-Ch GSA model, 150 MHz Bandwidth, 2 GSa/s sample rate, 16 Mpts arb memory, 14-bit vertical resolution, 5 Vpp to 50 Ω, traceable cal cert std.
AFG3252CGSA	**AFG31252GSA**	2-Ch GSA model, 250 MHz Bandwidth, 2 GSa/s sample rate, 16 Mpts arb memory, 14-bit vertical resolution, 5 Vpp to 50 Ω, traceable cal cert std.

AFG31000 Series upgrade options are available to extend bandwidth, add memory and enable waveform sequencing.

Option	Description
AUP-AFG3BW150T250-1	Bandwidth extension from 150 MHz to 250 MHz on a single channel model
AUP-AFG3BW150T250-2	Bandwidth extension from 150 MHz to 250 MHz on a dual channel model
AUP-AFG3BW25T100-1	Bandwidth extension from 25 MHz to 100 MHz on a single channel model
AUP-AFG3BW25T100-2	Bandwidth extension from 25 MHz to 100 MHz on a dual channel model
AUP-AFG3BW25T50-1	Bandwidth extension from 25 MHz to 50 MHz on a single channel model
AUP-AFG3BW25T50-2	Bandwidth extension from 25 MHz to 50 MHz on a dual channel model
AUP-AFG3BW50T100-1	Bandwidth extension from 50 MHz to 100 MHz on a single channel model
AUP-AFG3BW50T100-2	Bandwidth extension from 50 MHz to 100 MHz on a dual channel model
AUP-AFG3MEM-1	Extends arb memory to 128 Mpts on a single channel model
AUP-AFG3MEM-2	Extends arb memory to 128 Mpts on a dual channel model
AUP-AFG3SEQ-1	Enables Sequence mode on a single channel model
AUP-AFG3SEQ-2	Enables Sequence mode on a dual channel model

Visit tek.com/afg31000 to learn more.

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