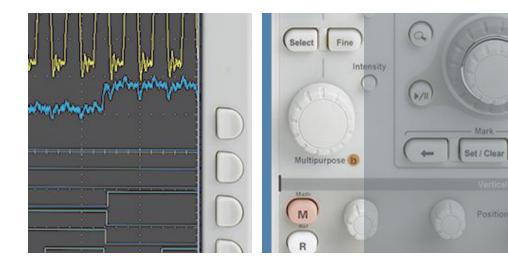
Broadening the Tektronix Signal Source Portfolio

Cost efficient signal generation







Introducing a Full Featured Bench Top Arbitrary Function Generator for the Value Segment

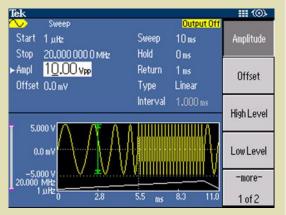


Model	Bandwidth	Channel	Sample rate	Resolution	Interface	MSRP in US
AFG2021	20MHz	1	250MS/s	14bit	USB Host & Device	\$1,590
AFG2021 (with GL option)	20MHz	1	250MS/s	14bit	USB Host & Device, GPIB and LAN	\$1,690



Best-in-class Performance AFG2000 Series Overview

Performance



- Leverages industry leading AFG3000 technology & UI
- 1uHz~20MHz sine
- 250MS/s sample rate
- Ippm stabilty
- 14bit vertical resolution
- 10Vpp into 50ohm load

Flexibility



- 12 built-in standard waveforms
- 4 distinct run modes
- Built-in noise generator
- Easily share waveform & set-up data with AFG3000 models

Versatility

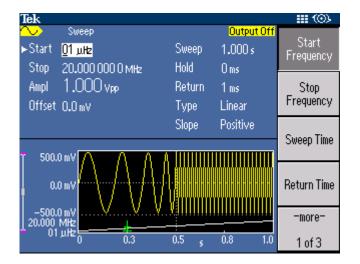


- Compact form factor
- Optional GPIB and LAN
- Free ArbExpress and SignalExpress productivity software



Performance Superior Features at an Affordable Price

- 20MHz bandwidth
- 14bit vertical resolution
- 250MS/s sample rate
- 12 built-in standard waveforms
- Continues, sweep, modulation and burst modes
- 4 × 128 KS built-in memory and USB memory expansion for user defined waveforms



Tektronix

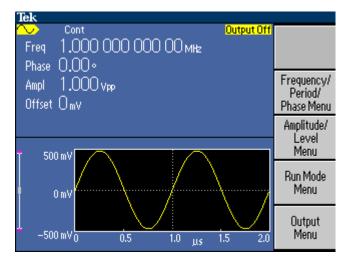
Enabling end user to quickly generate simple or complex waveforms to exercise their designs



Performance

Leveraging Proven AFG3000 Technology

- The innovative ease-of-use features first seen on AFG3000 are the building blocks for the AFG2021
 - A 3.5 in color TFT LCD shows the relevant settings in both graphic and text formats
 - The shortcut buttons and rotary knob allow easy access to the most frequently used settings and functions
- Menu and online help are available in 8 languages
- The AFG3000 customers can migrate to AFG2021 quickly without having to learn a new User Interface

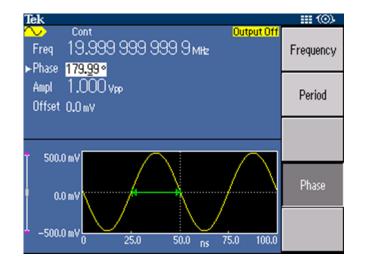






Performance Efficient Shortcuts to High Frequency

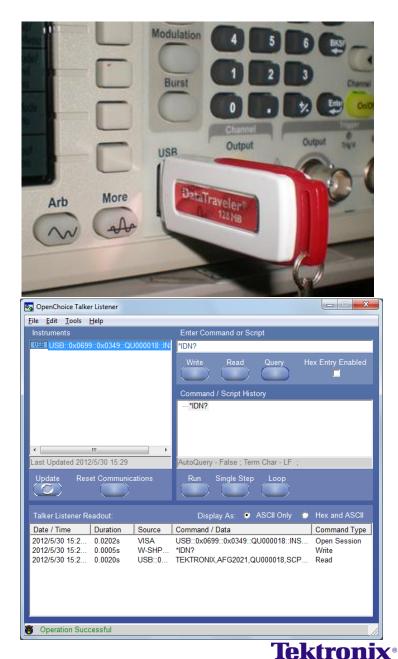
- DDS technology enables accurate, easy and on-the-fly changes to frequency and phase characteristics
 - 1uHz to 20MHz sine wave, 1uHz or 12digits frequency resolution
 - -180° ~180° phase range,
 0.01° resolution
- High stability time base
 - ±1ppm internal frequency reference
 - 1ppm per year aging





Flexibility Connectivity

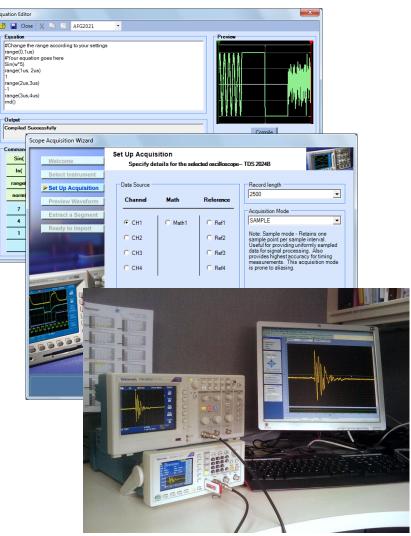
- Standard USB Host and Device, Optional GPIB and LAN
 - Customized waveforms and settings can be saved in USB memory sticks, and recalled for later use, via the front panel USB host socket
 - USB device, GPIB and LAN fulfills the connectivity requirements to download waveforms to the instrument and remote control from a PC



Versatility

ArbExpress® Real-world Waveform Replication Made Easy

- The ArbExpress waveform editing software ships free with every unit
- Convenient way to create and edit customized waveforms
 - Use standard waveforms as templates
 - Use freehand draw, equation editor or point draw modes
- Compatible to Tek oscilloscopes for direct loading of captured signals onto the host PC
- Download created/captured waveforms to AFG for replication via USB, GPIB or LAN connections.
- Facilitates control the AFG2000 remotely

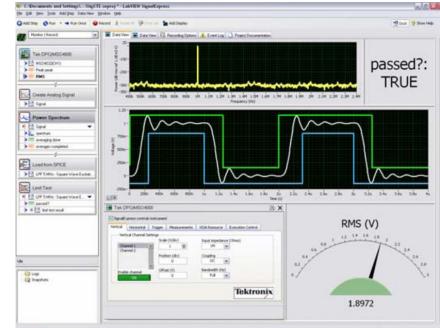




Versatility

Increase Productivity with SignalExpress

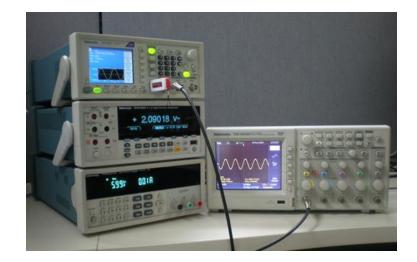
- National Instruments LabView SignalExpress LE version ships free with every unit
- Integrates AFG2021 to the whole Tektronix Bench portfolio
- Intuitive drag-and-drop interface provides an alternative to writing complex software routines
 - Basic instrument control
 - Data logging
 - Data analysis
 - Measurement trending
 - Documentation

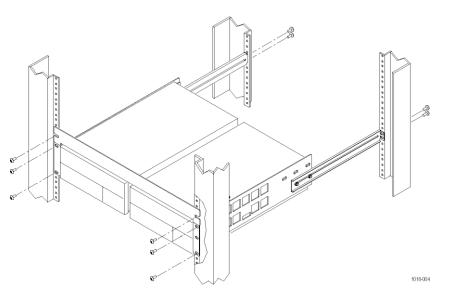




Versatility Compact Form Factor

- The standard 2U height and halfrack width form factor fits both bench top and rack mount applications
- Stackable
 - Easily stack on other Tektronix bench instruments
 - Save valuable bench top space
- Perfect option for ATE and system integration
 - Available RMU2U rack mount kit simplifies rack mount requirements
 - Full support for GPIB & SCPI command environments







Ordering information

Base Model Pricing

Product	Description	US\$ Master Price
AFG2021	Arbitrary/Function Generator, 1-ch, 20MHz, 250MS/s, 14bit	\$1,590

Configuration Options

Option	Description	US\$ Master Price
GL	GPIB and LAN interfaces	\$100

Standard Accessories

Recommended Accessories

Accessory	ltem	Description	US MSRP
User Manual	RMU2U	Rackmount kit	\$152
Power Cord	013-0345-00	Fuse adapter, BNC-P to BNC-R	\$312
USB Cable	159-0454-00	Fuse set, 3 pcs, 0.125 A	\$21
CD-ROM with Programmer manual and service manual	012-0482-00	BNC cable shielded, 3 ft	\$206
CD-ROM with NI Labview Signal Express and IVI	012-1256-00	BNC cable shielded, 9 ft	\$84
Drivers	012-0991-00	GPIB cable, double shielded	\$488
CD-ROM with ArbExpress Software	011-0049-02	50Ω BNC Terminator	\$135

NIST-Traceable Calibration Certificate



Options

Power Plug Options

Opt	Description	US MSRP
A0	North America	\$0
A1	Universal Euro	\$0
A2	United Kingdom	\$0
A3	Australia	\$0
A5	Switzerland	\$0
A6	Japan	\$0
A10	China	\$0
A11	India	\$0
A12	Brazil	\$0
A99	No power cord or adapter	\$0

Language Options

Opt	Description	US MSRP
L0	English manual	\$0
L1	French manual	\$0
L2	Italian manual	\$0
L3	German manual	\$0
L4	Spanish manual	\$0
L5	Japanese manual	\$0
L6	Portuguese manual	\$0
L7	Simple Chinese manual	\$0
L8	Traditional Chinese manual	\$0
L9	Korean manual	\$0
L10	Russian manual	\$0
L99	No Manual	\$0

Service Options

Opt	Description	US MSRP
C3	Calibration service 3 years	\$390
C5	Calibration service 5 years	\$738
D1	Calibration data report	\$65
D3	Calibration data report 3 years (with C3)	\$82
D5	Calibration data report 5 years (with C5)	\$163
R5	Repair service 5 years	\$260
R5DW	Repair Service Coverage 5 Years (starts at time of customer instrument purchase)	\$260





Activity	Date
Order Queue Opens	 June 10, 2012
Shipments Begin	 July 03, 2012
Public Announcement *	 August 07, 2012

* Product availability: target is 4 weeks.



Demos & Training

- Demo Units
 - Distribution channel partners can opt to utilize the AFG2000 as demo for the entire AFG family
- Training
 - Level 1 CDT training and a demo guide will be developed as part of the product launch and will be made available through the Partner net



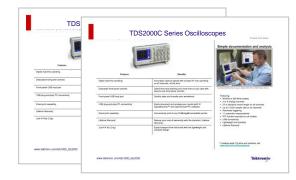
Demand Generation and Marketing Collateral



Customer Presentation

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Web Content





Product Material Q3

Product Fact Sheets

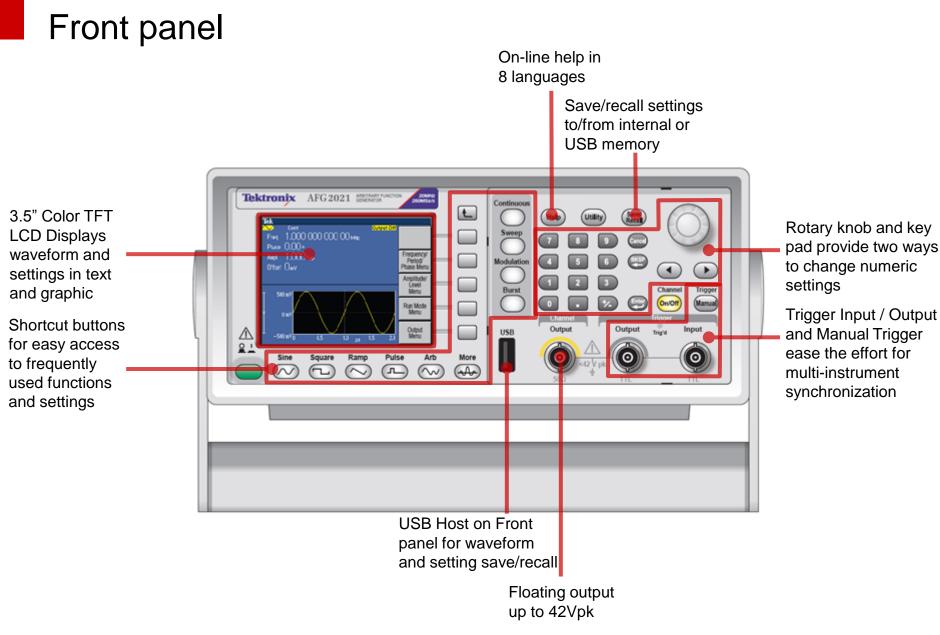
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Product Datasheets



Application Notes Q3

Tektronix®

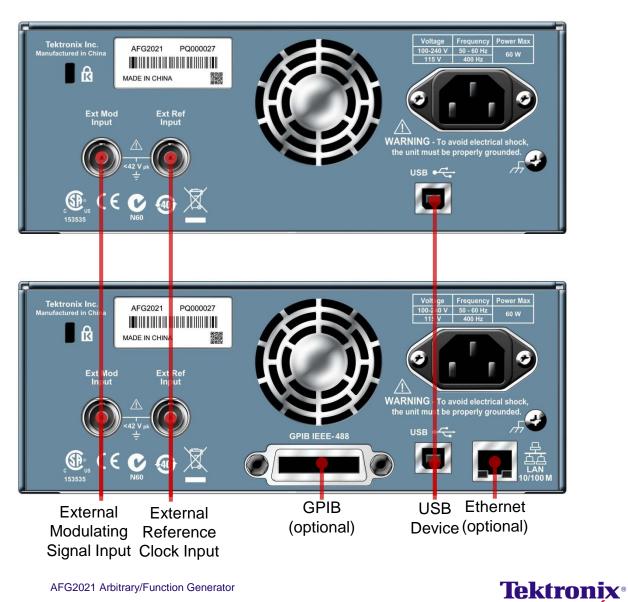


Tektronix[®]

Rear panel

Rear panel of base model

Rear panel of model with GL option





Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Keithley Instruments, Inc.: AFG2021 AFG2021-GL