Product Fact Sheet

Agilent 33600A Series True*form* Waveform Generators

Agilent's 33600A Series of waveform generators with exclusive True*form* Technology offer more capability, fidelity and flexibility than previous generation DDS waveform generators. Four new upgradeable models are available at 80 and 120 MHz with 1- and 2-channels. The 33600A Series offers a full set of standard features and an optional baseband I-Q signal player.

- 80 and 120 MHz, 1- and 2-channel models
- 2-channnel coupling and synchronization
- True*form* waveforms sequencing
- PRBS serial patterns



Trueform Technology

Key features and benefits

- Superior signal integrity with True*form* technology provides the lowest jitter and lowest distortion
- Flexibility to select needed functionality from four new value-priced models, with the ability to upgrade later when your needs change
- Superior user experience with intuitive front panel, complimentary software and localized online help and access to manuals from mobile devices

Key characteristics

- Up to 120 MHz sine wave
- Up to 100 MHz pulse
- 1 GSa/s sampling rate
- 14-bit amplitude resolution
- Up to 64 MSa per channel arb memory
- Low jitter: 1 ps, low phase noise: –125 dBc/Hz
- Low harmonic and spurious distortion

Product Fact Sheet

Step 1.
Choose your bandwidth, and number of channels

Waveform generator	33611A	33612A	33621A	33622A
Bandwidth	80 MHz	80 MHz	120 MHz	120 MHz
Number of channels	1	2	1	2

Step 2.
Tailor your generator for more demanding applications

Application	Order option
Additional memory for long waveforms	MEM
Baseband IQ Player with adjustments	IQP (Only available on 33612A/33622A)
Security features with NISPOM	SEC
Ultra-high stability timebase	OCX
Optional GPIB interface	GPB

Step 3.
Upgrade your waveform generator at any time as your needs change

Upgrade desired	Order upgrade option
Increase bandwidth to 120 MHz	336BW1U on 1-channel models
	336BW2U on 2-channel models
Increase arb memory to 64 M	336MEM1U on 1-channel models
	336MEM2U on 2-channel models
Add NISPOM and file security	336SECU
Add IQ baseband signal player to 2-channel arb	336IQPU
Add high-stability timebase	33600U-OCX (Must return to Agilent)
Add GPIB	3446GPBU (Customer installable)

Notes:

1. *Cannot upgrade a 1-channel generator to a 2-channel generator.*
2. *Options and upgrades are software enabled except the GPIB and OCXO.*

Recommended service options
Additional two years of Return-to-Agilent warranty
Additional two years of Return-to-Agilent calibrations
For more information go to **www.agilent.com/find/removealldoubt**



Trueform Technology

For more information on Trueform waveform generators, visit: **www.agilent.com/find/trueform**

To find a distributor in your area, go to **www.agilent.com/find/distributors**

Three-Year Warranty

www.agilent.com/find/ThreeYearWarranty
Beyond product specification, changing the ownership experience. Agilent is the only test and measurement company that offers three-year warranty on all instruments, worldwide.

Agilent Assurance Plans

www.agilent.com/find/AssurancePlans
Five years of protection and no budgetary surprises to ensure your instruments are operating to specifications and you can continually rely on accurate measurements.

Technical data, availability and pricing subject to change without notice.
© Agilent Technologies, Inc. 2013, Printed in USA, December 19, 2013
5991-3795EN

Agilent Technologies