Product Fact Sheet
Keysight 33600A Series Trueform Waveform Generators

Key features

– 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

Keysight Technologies, Inc. 33600A Series of waveform generators with exclusive Trueform 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

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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 Keysight)
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.

Trueform
Technology

For more information on Trueform waveform generators, visit:
www.keysight.com/find/trueform
To find a distributor in your area, go to www.keysight.com/find/distributors

Three-Year Warranty
www.keysight.com/find/ThreeYearWarranty
Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.

Keysight Assurance Plans
www.keysight.com/find/AssurancePlans
Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

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