

33500B Series Trueform waveform generators

Eight upgradeable models are available at 20 and 30 MHz with 1- and 2-channels. The 33500B Series offers a full set of standard features and an optional baseband IQ signal player.

- Sine waves with up to 5x lower harmonic distortion
- Pulses up to 30 MHz with <40 ps jitter
- Individual arbitrary waveform segments that can be sequenced
- 16 bits of resolution with 1 mVpp to 10 Vpp amplitude
- IQ baseband signal player standard for 2-channel models

	33511B	33512B	33521B	33522B	33509B	33510B	33519B	33520B
Number of channels	1	2	1	2	1	2	1	2
Frequency	20 MHz	20 MHz	30 MHz	30 MHz	20 MHz	20 MHz	30 MHz	30 MHz
Standard waveforms	Sine, square, ramp, pulse, triangle, Gaussian noise, PRBS (pseudorandom binary sequence), DC							
Arbitrary waveforms	Trueform arbitrary waveforms with sequencing, 1 MSa/channel standard, 16 MSa/channel optional				Optional arbitrary waveforms			
Sampling rate, resolution	160 MSa/s, 16 bits		250 MSa/s, 16 bits		160 MSa/s, 16 bits		250 MSa/s, 16 bits	
Modulation types	AM, FM, PM, FSK, BPSK, PWM, sum (carrier + modulation)							
Burst	Counted or gated							
Sweep	Linear, logarithmic and frequency list							
Timebase	TCXO standard, OCXO optional for higher stability							
Total harmonic distortion and jitter	<0.04% THD and <40 ps jitter (rms)							
Options and security	NISPOM and file security, OCXO high-stability timebase							
Connectivity	USB, LAN, GPIB							

33210A 10 MHz function generator

The most affordable model for basic functions and waveforms

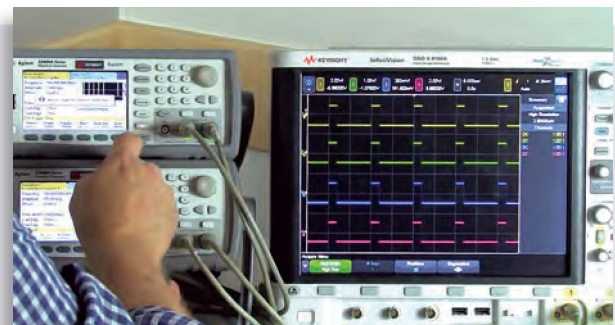
- 10 MHz sine and square waveforms
- Ramp, triangle, noise, pulse generation with variable edge, and DC waveforms
- AM, FM, and PWM modulation, linear and logarithmic sweeps and burst all standard
- Arbitrary waveforms optional



Don't know how to phase synchronize multiple waveform generators?

Watch this video to see how easy it is.

 [Synchronizing Multiple Waveform Generators](#)



 KEYSIGHT TECHNOLOGIES on YouTube

