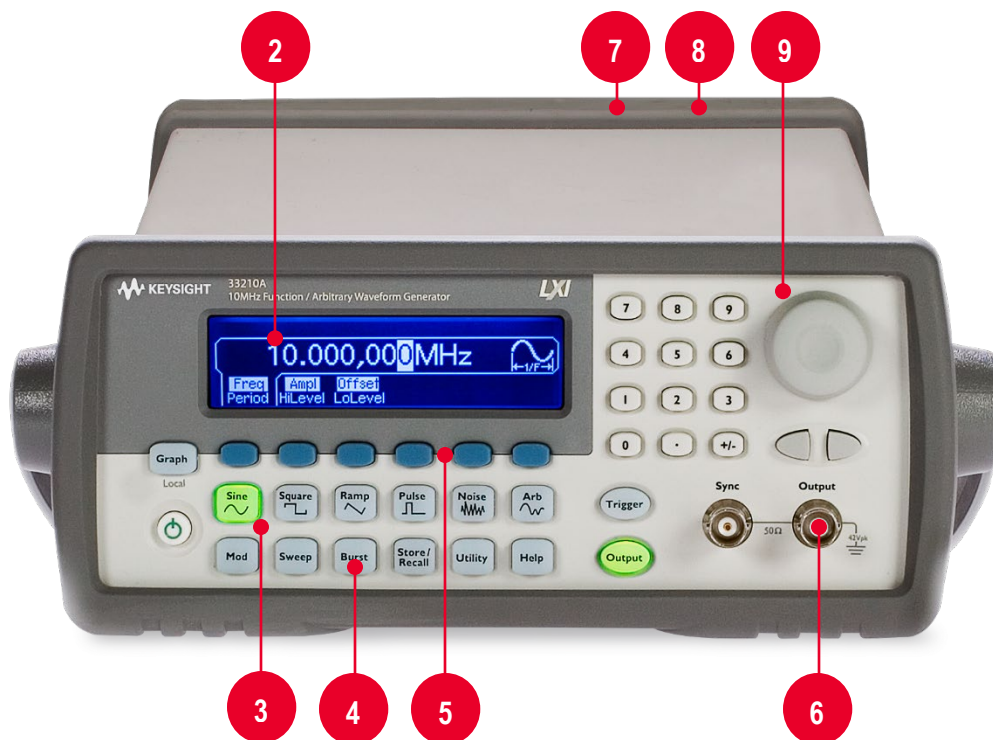


## Keysight 33210A Function/Arbitrary Waveform Generators



1. 33210A Function/Arbitrary Waveform Generator, 10 MHz
2. Graphic display for viewing and editing waveforms
3. One touch buttons for the standard waveforms
4. One touch buttons for modulation
5. Soft keys for setting parameters
6. Programmable output for matching load impedance
7. External reference time base input (33210A Option 001)
8. Computer interfaces: GPIB, 33210A provides USB and LAN (LXI)
9. SCPI programming language, PC SW and drivers included

### Key Features

- Standard waveforms included: sine, square, pulse, noise, ramp, DC, triangle
- Arbitrary waveforms with up to 64 K-points of memory
- 33210A has an optional 8K point arbitrary waveform generator
- Standard modulations AM and FM on all instruments, FSK, PWM and PM on select models
- Linear/log sweep and burst
- Free IntuiLink Arbitrary Waveform Software
- BenchVue included



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**33210A**

Frequency range (sine and square)	1 mHz to 10 MHz
Arb resolution and sample rate	14-bit, 50 MSa/s (Option 002)
Harmonic distortion	-70 dBc (DC to 20 kHz)
Linear ramp rate	Up to 100 kHz
Phase noise	-115 dBc/Hz
Square wave duty cycle	20 % to 80 %
Pulse frequency range	1 mHz to 5 MHz
Modulation carrier waveforms	Sine, square
Modulation capability	AM, FM, PWM, Burst
Amplitude range	10 mVpp to 10 Vpp into 50 $\Omega$ load
Amplitude accuracy	$\pm 2$ %, $\pm 1$ mVpp
Frequency accuracy	20 ppm + 3 pHz
External timebase reference	Option 001
Interface	GPIB, LAN, USB

**34970A/34972A plug-in modules**

Part	Description
33210A Option 001	External timebase reference
33210A Option 002	8 K point Arbitrary Waveform Generator
34131A	Carrying case
34161A	Accessory pouch
34190A	Rack mount kit (½ width)
10833A/B/C/D/F/G	GPIB cable
82350B	PCI high-performance GPIB card
82351A	PCIe-GPIB interface card

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Keysight Services helps you improve productivity and product quality with our comprehensive service offerings of one-stop calibration, repair, asset management, technology refresh, consulting, training, and more.

- Uncompromising performance
- Standard waveforms
- Arbitrary waveforms
- Pulse waveforms
- Graphical display

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