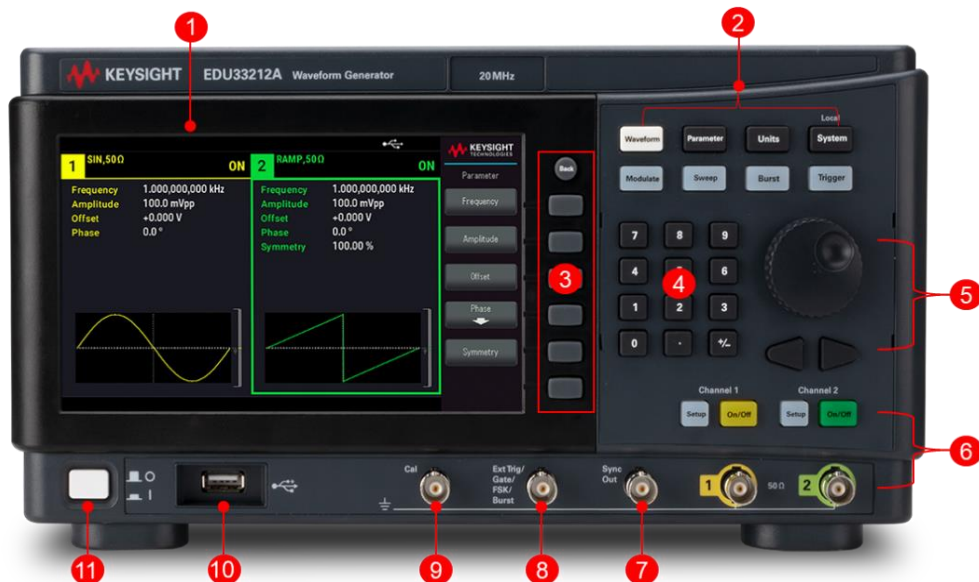


# EDU33211A/EDU33212A 20 MHz Function Generators

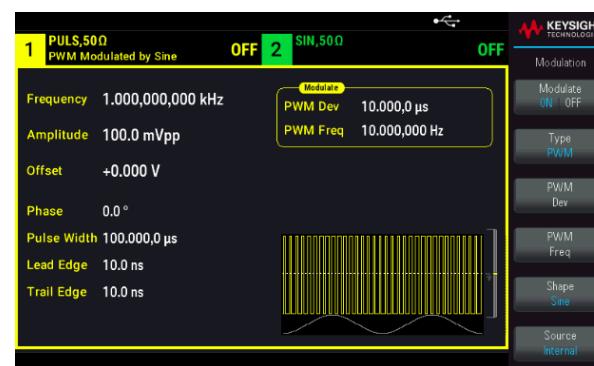
## Smart Bench Essentials



1. Display
2. Function keys
3. Soft keys
4. Numeric keys
5. Knob and cursor arrows
6. Output connectors, setup and On/Off buttons
7. Sync/trigger output connector
8. External Trig/Gate/FSK/Burst connector
9. CAL connector
10. USB host
11. Power switch

## Key features and benefits:

- Signature 7-inch color display offers simultaneous parameter setup, signal viewing and editing for easy operation
- Six built-in modulation types and 17 popular waveforms to simulate common application for testing
- 16-bit arbitrary waveform capability with memory of up to 8 M samples per channel
- Two independent channels that can be coupled in amplitude and frequency (EDU33212A)
- Excellent usability
- Front-panel USB thumb drive port for file management
- External triggering
- USB and LAN IO interface for remote connectivity
- PathWave BenchVue software included to enable full potential with PC control

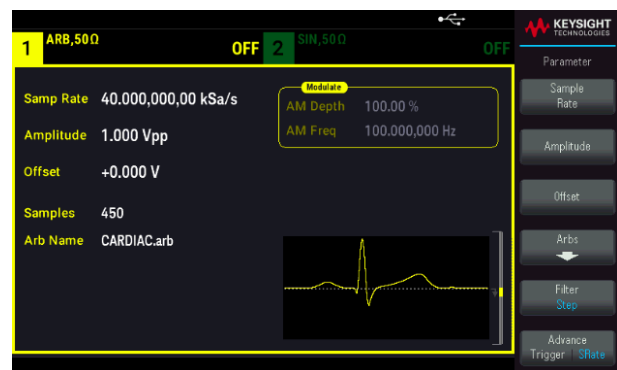
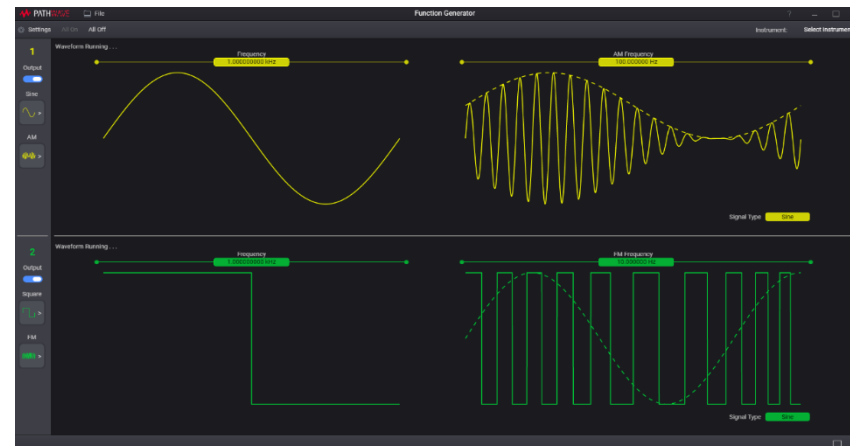


PWM modulated with standard sine wave

## EDU33211A/12A capabilities

Models and options		
Model number	EDU33211A	EDU33212A
Maximum frequency	20 MHz	
Number of channels	1	2
Waveforms		
Standard	Sine, Square, Ramp, Pulse, Triangle, Gaussian Noise, PRBS (Pseudorandom Binary Sequence), DC	
Built-in arbitrary	Cardiac, Exponential Fall, Exponential Rise, Gaussian Pulse, Haversine, Lorentz, D-Lorentz, Negative Ramp, Sinc	
User-defined arbitrary	Up to 8 MSa per channel; with up to 1Msa per waveform	
Operating modes and modulation types		
Operating modes	Continuous, Modulate, Frequency Sweep, Gated Burst	
Modulation types	AM, FM, PM, FSK, BPSK, PWM	

## PathWave BenchVue function generator app



Cardiac specialty waveform

## Ordering information

Part Number	Description
EDU33211A	Waveform generator, 20 MHz, 1-ch
EDU33212A	Waveform generator, 20 MHz, 2-ch
EDU190A	Instrument stacking kit
BV0002B	PathWave BenchVue Function Generator App

For additional information, please go to:

[www.keysight.com/find/EDU33211A](http://www.keysight.com/find/EDU33211A)

Learn more at: [www.keysight.com](http://www.keysight.com)

Find us at [www.keysight.com](http://www.keysight.com)

This information is subject to change without notice. © Keysight Technologies, 2020, Published in USA, December 10, 2020, 3120-1571.EN