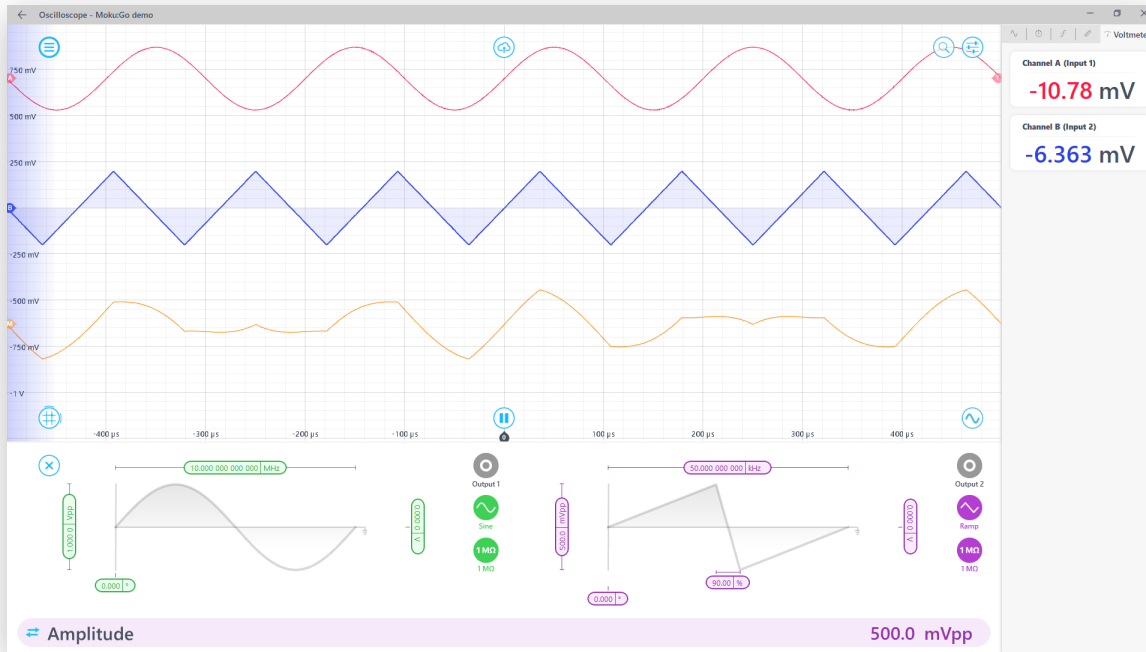




30 MHz Oscilloscope / Voltmeter



Moku:Go's Oscilloscope / Voltmeter features two input channels with sampling rates up to 125 MSa/s and 30 MHz analog bandwidth. Both channels support user-selectable AC / DC couplings, and $\pm 5\text{ V}$ or $\pm 25\text{ V}$ input ranges. The built-in two-channel waveform generator is capable of producing waveforms with a maximum bandwidth of 20 MHz. The ADCs and DACs are directly connected to a powerful programmable Zynq 7020 FPGA that allows the user to configure the instrument wirelessly in real-time with our clean, intuitive client software on Windows or Mac.



Sampling Rate Up to 125 MSa/s	Bandwidth 30 MHz	ADC Resolution 12 bits	Input Impedance 1 M Ω	Input Coupling AC or DC	Waveform Generator 2 Channels up to 20 MHz
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Features

- Two analog inputs with 125 MSa/s sampling rate and 30 MHz bandwidth.
- Intuitive user interface on Windows or Mac.
- Onboard signal analysis toolbox.
- Math channel with support for arbitrary functions.
- Integrated, high-speed, 2-channel waveform generator with maximum frequency up to 20 MHz.

Specifications

- Vertical resolution: 12 bit
- Input range: $\pm 5\text{ V}$ or $\pm 25\text{ V}$
- Sampling rate: 125 MSa/s
- Input bandwidth: 30 MHz
- Input coupling: AC or DC
- Input impedance: 1 M Ω
- Output bandwidth: 20 MHz
- Output waveforms: sine, square, ramp, DC
- Math channel: add, subtract, multiply, divide, XY, integrate, differentiate, FFT, min hold, max hold, arbitrary user-defined function.

Applications

- Signal monitoring and analysis
- Circuit design and characterization
- Photo detector alignment
- Automated system test
- System test and debug