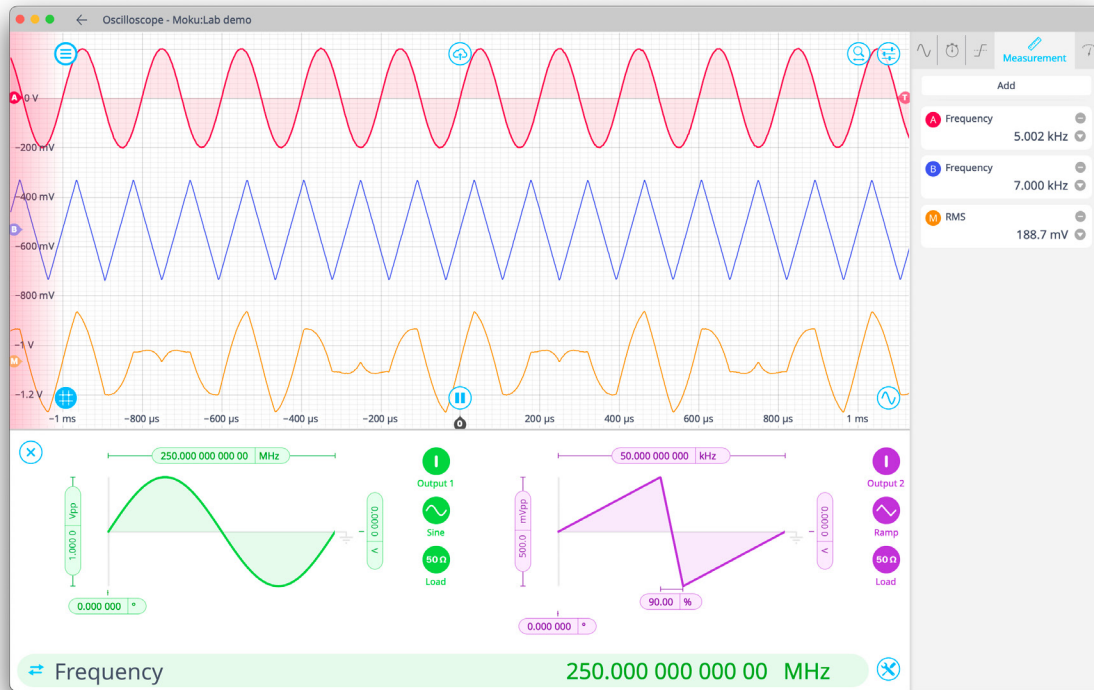




The Moku:Lab Oscilloscope features two 500 MSa/s analog input channels with 200 MHz analog bandwidth, 10 Vpp input voltage range, and user-configurable AC/DC coupling and 50 Ω/1 MΩ impedance. The oscilloscope also features two integrated waveform generators, each with a shape-dependent maximum frequency of up to 250MHz and capable of producing sine, square, pulse, ramp, noise or DC waveforms.



Sampling Rate 500 MSa/s	Bandwidth 200 MHz	ADC Resolution 12 bits	Input Coupling AC or DC	Input Noise <30 nV/√Hz @ 100 kHz	Waveform Generator 2 Channels up to 250 MHz
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Features

- Two analog inputs with 200 MHz bandwidth
- Exceptional low-frequency noise performance: <30 nV/√Hz above 100 kHz
- Ultra stable 0.5 ppm onboard oscillator with 10 MHz synchronization in and out
- Integrated high-speed waveform generator channels with analog bandwidths up to 250 MHz
- TTL-compatible external trigger

Specifications

- Input range: 1 Vpp or 10 Vpp
- Input noise: <30 nV/√Hz above 100 kHz
- Sampling rate: 500 MSa/s
- Input bandwidth: 200 MHz
- Input coupling: AC or DC
- Input Impedance: 50 Ω or 1 MΩ
- Output bandwidth: 300 MHz
- Output waveforms: sine, square, ramp, pulse, noise, DC
- Math channel: Add, subtract, multiply, divide, XY mode, FFT, arbitrary equation mode, and many more

Applications

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