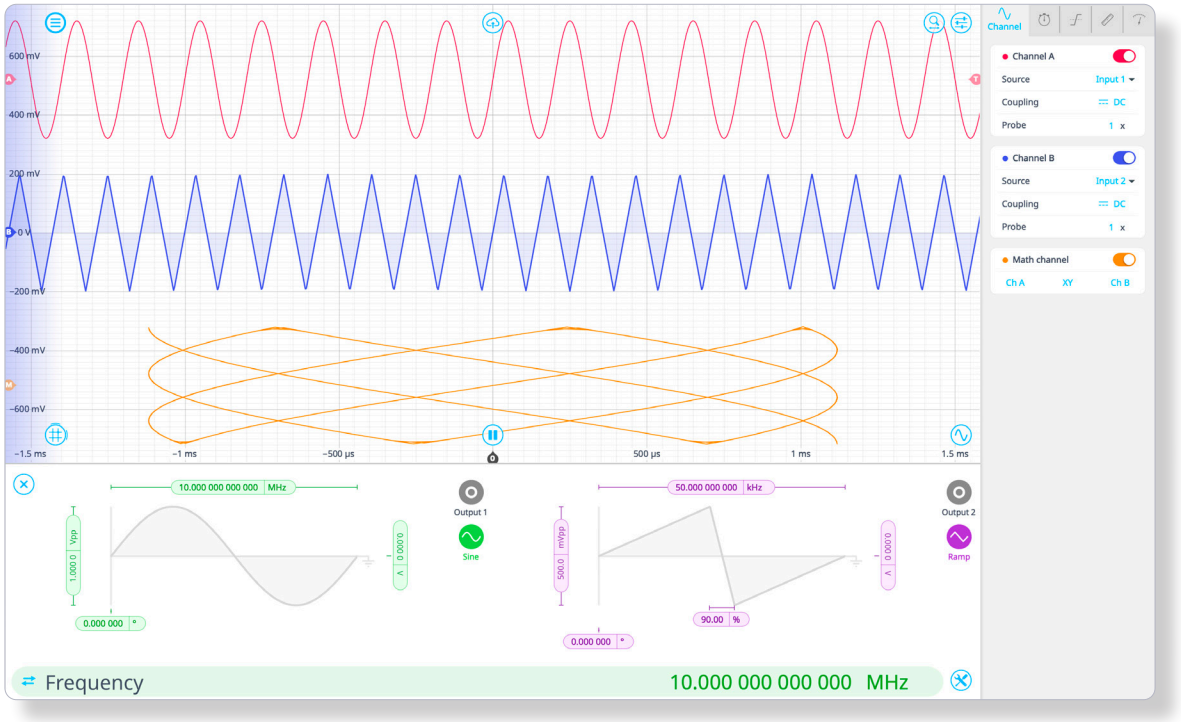
Moku:Go Instrument Datasheet

Oscilloscope / Voltmeter



The Moku:Go 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 ± 5 V or ± 25 V input ranges. The built-in two-channel waveform generator is capable of producing waveforms with a maximum bandwidth of 20 MHz.



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

Features

- Two analog inputs with 125 MSa/s sampling rate and 30 MHz bandwidth
- Intuitive user interface on Windows or Mac
- Built-in signal measurement functions
- Math channel with support for arbitrary functions
- Down-sampling, decimation, peak detection, and deep memory acquisition modes available
- Integrated, high-speed, 2-channel waveform generator with maximum frequency up to 20 MHz

Specifications

- Vertical resolution: 12 bit
- Input range: ± 5 V or ± 25 V
- Sampling rate: 125 MSa/s
- Input bandwidth: 30 MHz
- Input coupling: AC or DC
- Input impedance: 1 MΩ
- Output bandwidth: 20 MHz
- Output waveforms: sine, square, ramp, DC, and noise
- 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

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