Moku:Go

Flexible, portable design and test tool

Moku:Go is a portable design and test tool to help engineers prototype from anywhere and give students new ways to learn essential concepts from circuits to senior design. Moku:Go features 10+ instruments and optional programmable power supplies. With Multi-instrument Mode, you can deploy two instruments simultaneously to create a custom test bench. Moku:Go eliminates the need for bulky benchtop instruments and empowers you to work wherever you are. Hardware features include a Wi-Fi hotspot, integrated high-quality connectors with enhanced electrical protection, USB-C for data, and six color options. An intuitive user interface (UI) is included for Windows and macOS, and API support integrates with the rest of your existing automation and teaching tools.

Analog Inputs/Outputs	Input Bandwidth	Digital I/O	Output Bandwidth	Programmable Power Supplies
Two 12 bit, 125 MSa/s	**30 MHz**	**16 channel @ 125 MSa/s**	**20 MHz**	**2- or 4-channel option**

10+ Powerful Instruments

- Arbitrary Waveform Generator
- Data Logger
- Digital Filter Box
- Frequency Response Analyzer
- FIR Filter Builder
- Logic Analyzer
- Oscilloscope / Voltmeter
- PID Controller
- Spectrum Analyzer
- Waveform Generator
- Lock-in Amplifier*
- Laser Lock Box*

Programmable Power Supplies

2-channel option

- +5 to -5 V @ 150 mA
- 0 to 16 V @ 150 mA

4-channel option

- 2-channel option, plus
- Dual 0.6 to 5 V @ 1 A

Specifications

Analog Inputs

- Two 12 bit, 125 MSa/s input channels
- 30 MHz analog bandwidth (-3 dB)
- AC or DC coupling with 1 MΩ impedance
- Input range up to ± 25 V

Analog Outputs

- Two 12 bit, 125 MSa/s output channels
- 20 MHz analog bandwidth (-3 dB, low impedance)
- ± 5 V maximum output range

Digital I/O

- 16-channel DIO at 125 MSa/s
- Support 3.3 V (5 V tolerant) logic level

Programming Environment

- API support for Python, MATLAB, and LabVIEW
- Windows or macOS
- Moku Cloud Compile support for FPGA customization

Models

M0

- 2 analog inputs, 2 analog outputs and 16 DIO
- USB-C, Wi-Fi, software, and APIs

M1

- All features from M0
- 2-channel programmable power supply

M2

- All features from M0
- Ethernet
- 4-channel programmable power supply

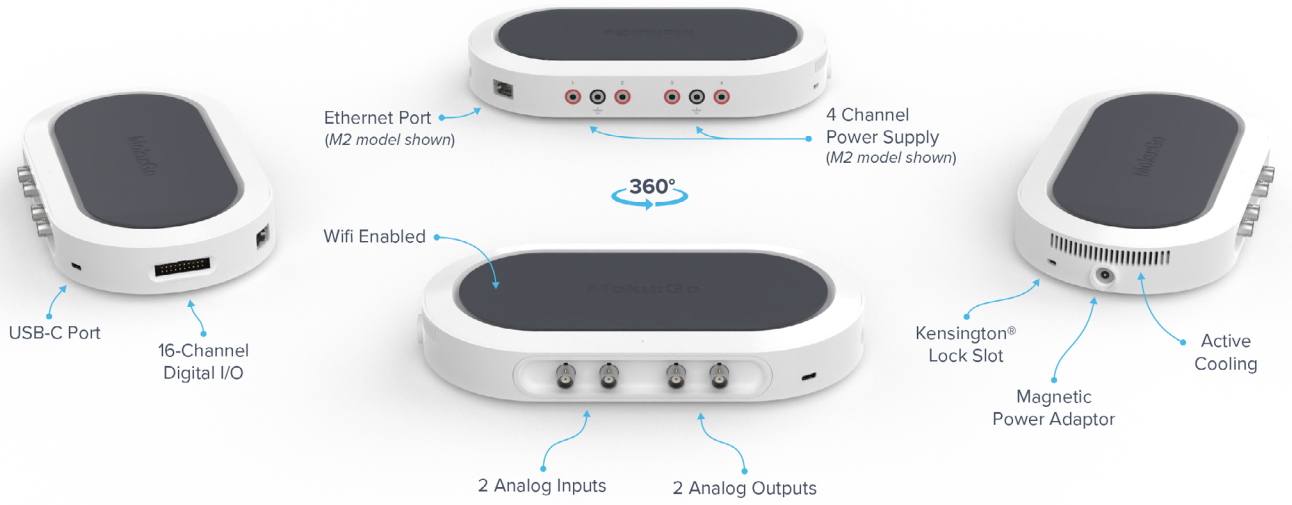
Options & Accessories

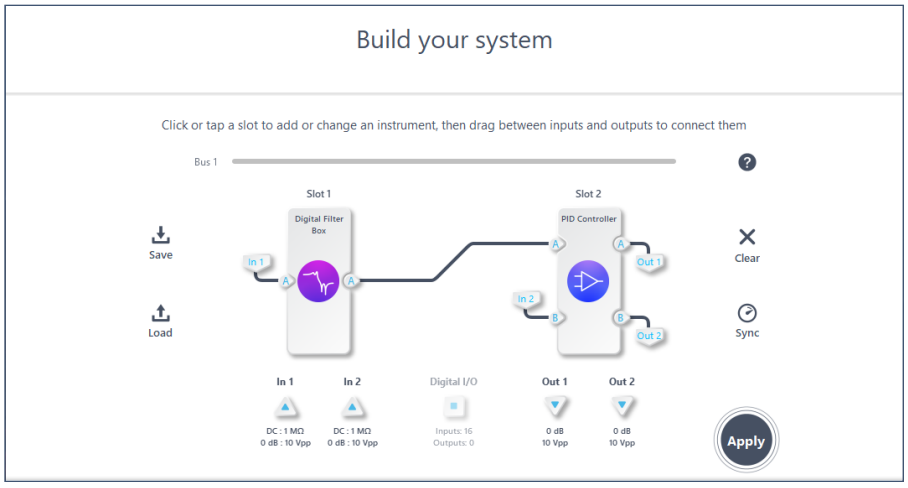
- *Lock-in Amplifier, Laser Lock Box options
- All models include: 2 oscilloscope probes, DIO cabling, power adapter, USB-C cable
- Supported models include: Ethernet cable, and power supply cables
- 6 standard colors

For full specifications and education pricing, contact info@liquidinstruments.com

High-quality hardware and complete feature set, designed to last.

With hardware components including integrated BNC connectors, integrated banana jack connectors for programmable power supplies, a high-grip rubberized base to prevent slippage, and robust electrical protection to ensure safety in the lab, you have everything you need to maximize learning on safe, durable hardware. The Kensington Lock Slot and optional Ethernet make the Moku:Go perfect for bench use, or take it on the road with every model including Wi-Fi and USB.





The world's most intuitive user interface *meets the test bench.*

We've brought you a UI that makes teaching difficult concepts easy, and learning them even easier. Use the Moku:Go app for macOS or Windows to configure any of the instruments, and switch between instruments in seconds. Want your students to experience industry-standard platforms? No problem. Full API integration is available for all major languages, including Python, MATLAB, and LabVIEW.

Available in six colors