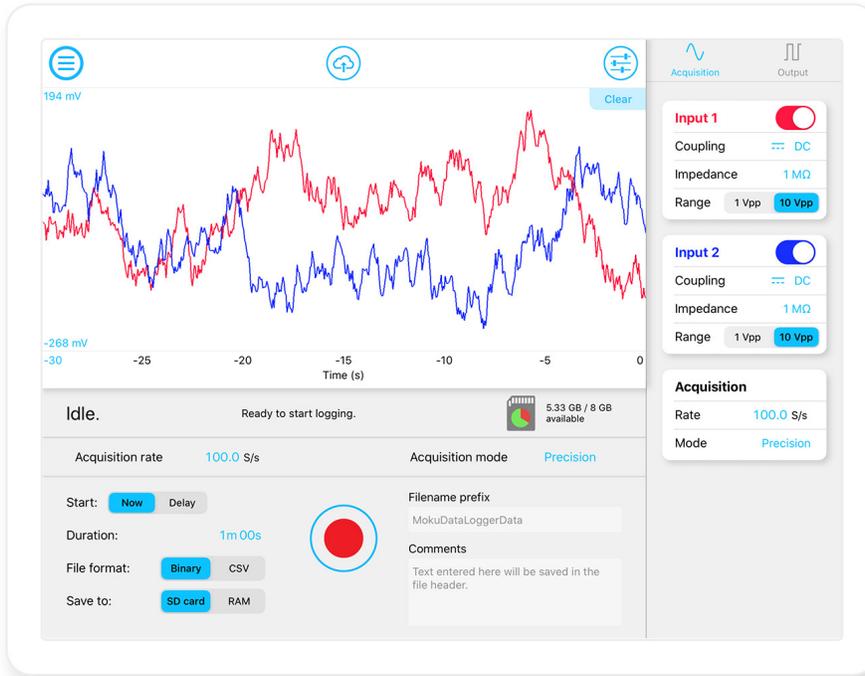




1 MSa/s Data Logger



Moku:Lab's Data Logger enables you to log data directly to an SD card for long-term measurements at rates of up to 100 kSa/s, where the duration is limited only by the capacity of the SD card. Data can also be acquired at up to 1 MSa/s by saving directly to Moku:Lab's internal memory. Data saved to Moku:Lab's internal memory can be uploaded to the cloud for analysis once the measurement is complete.



Number of Inputs 2	Acquisition rate Up to 1 MSa/s	Input Range - 5 V to 5 V	Input Coupling AC or DC	Input Impedance 50 Ω/1 MΩ	Waveform Generator Integrated
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Features

- Log voltage data on two independent channels to an SD card for long-term measurements, or directly to Moku:Lab's internal RAM for short, high-speed bursts
- Built-in two-channel 250 MHz waveform generators
- Plain text (CSV) or binary, depending on data acquisition rate
- Easy export to SD card, Dropbox, Email, iCloud, or the iPad "My Files" folder
- Schedule a log to start after a delay of up to 10 days

Specifications

- Input range: 1 Vpp or 10 Vpp
- Input Impedance: 50 Ω/1 MΩ
- Input coupling: AC/DC
- Maximum sampling rate:
 - Into RAM:
 - 1 MSa/s with one channel enabled
 - 500 kSa/s with both channels enabled
 - Into SD card:
 - 100 kSa/s one/both channel enabled
- Minimal sampling rate: 10 Sa/s
- Acquisition mode:
 - Normal: Direct digitization at the acquisition rate
 - Precision mode: Downsampling from 500 MSa/s by averaging

Applications

- Temperature monitoring
- Vibration analysis
- Environment monitoring
- Other sensor data recording