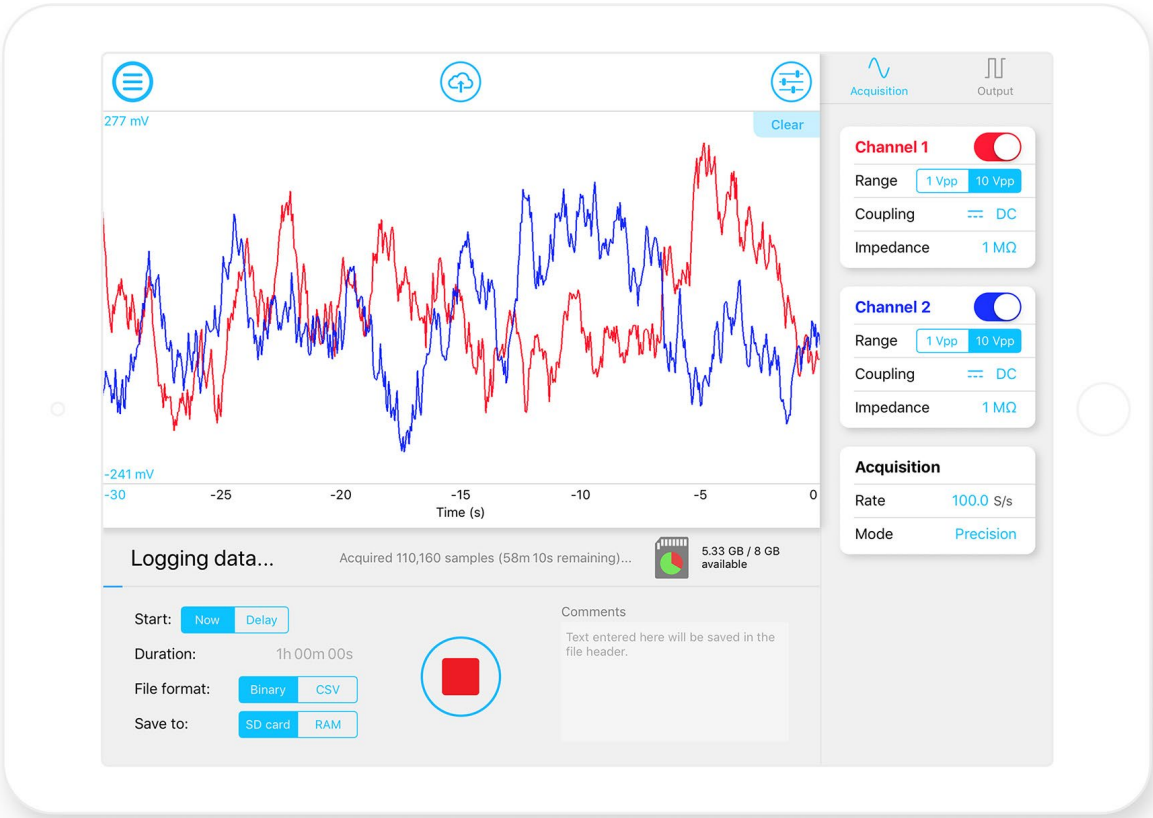
Data Logger

Description

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.



Features

- Record two channels of data at up to 100 kSa/s to SD card and 1 MSa/s to internal storage
- Effortlessly upload recorded data to the cloud for analysis

Specifications

Input

Voltage

Input voltage range	± 0.5 V into 50 Ω with 0 dB attenuation ± 5 V into 50 Ω with 20 dB attenuation
Input impedance	50 Ω / 1 MΩ
Input coupling	AC / DC

Logging

Acquisition

File formats	Plain text: records data using a standard *.csv format
	Binary: records data using a proprietary *.li format for high-speed data logging. **Note:** data saved using the *.li format must be converted to plain text using the LI file converter available here: https://github.com/liquidinstruments/lireader
Export modes	SD Card, Dropbox, E-mail and iCloud, My Files (iOS 11)
Maximum sampling rate	1 MSa/s into RAM (format: *.li binary) 100 kSa/s into SD card (format: *.li binary) 20 kSa/s into RAM / SD card (format: *.csv) **Note:** data saved to the Moku:Lab's on-board RAM will be lost when the device is rebooted.
Delayed log start time	Up to 240 hours
Log duration	1 second up to 240 hours