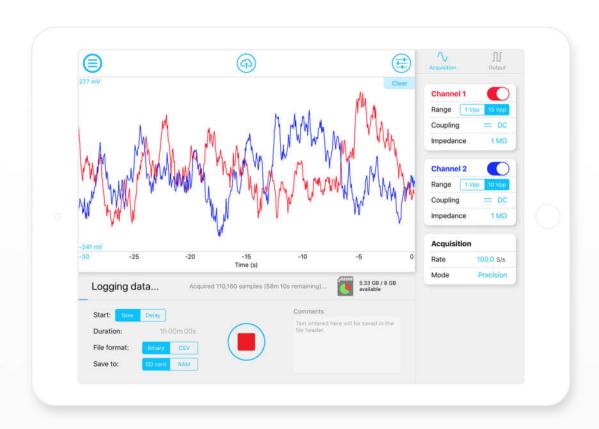


# **Data Logger**

## Description

The Moku:DataLogger enables you to log data directly to an SD card for long-term measurements at rates of up to 100 kS/s, where the duration is limited only by the capacity of the SD card. Data can also be acquired at up to 1 MS/s by saving directly to the Moku:Lab's 500 MB internal storage. Data saved to the Moku:Lab's internal storage can be uploaded to the cloud for analysis within seconds of the measurement finishing.



#### Features

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



# Specifications

## Input

#### Voltage

Voltage	
Input voltage range	$\pm$ 0.5 V into 50 $\Omega$ with 0 dB attenuation $\pm$ 5 V into 50 $\Omega$ with 20 dB attenuation
Input impedance	50 Ω / 1 ΜΩ
Input coupling	AC / DC

## Logging

#### Acquisition

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.
	<b>Note:</b> data saved using the *.li format must be converted to plain text using the LI file converter available here: <a href="https://github.com/liquidinstruments/lireader">https://github.com/liquidinstruments/lireader</a>
Export modes	SD Card, Dropbox, E-mail and iCloud, My Files (iOS 11)
Maximum sampling rate	1 MS/s into RAM (format: *.li binary) 100 kS/s into SD card (format: *.li binary) 20 kS/s into RAM / SD card (format: *.csv)
	<b>Note:</b> 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