



The Moku:Pro Data Logger enables you to log data to its 240 GB internal solid-state drive with sampling rates of up to 10 MSa/s. All four inputs are equipped with dual 10-bit and 18-bit ADCs which, with blended ADC technology, lowers input noise to 30 nV/√Hz at 100 Hz providing ultra-low noise data logging from acoustic to RF frequencies. Moku:Pro is also equipped with a 10 MHz clock synchronization I/O and four 500 MHz outputs, allowing flexible integration with other electronics. Data can be streamed live or downloaded for analysis once the measurement is complete.



Number of Inputs 4	Acquisition Rate 10 MSa/s to SSD	Input Range Up to 40 Vpp	Input Coupling AC or DC	Input Impedance 50 Ω / 1 MΩ	Waveform Generator Integrated
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Features

- Log voltage data on four independent channels to its 240 GB SSD
- Built-in four-channel waveform generator, up to 500 MHz
- 10 MHz clock synchronization ports
- Easily export data to computer, Dropbox, and other cloud-based services
- Schedule your log to start with a delay of up to 10 days
- Stream data directly to your computer using Moku APIs, including for Python, MATLAB, and LabVIEW

Specifications

- Input ranges: 0.4 Vpp, 4 Vpp or 40 Vpp
- Input Impedance: 50 Ω / 1 MΩ
- Input coupling: AC/DC
- Maximum sampling rate:
 - 10 MSa/s for 1 channel
 - 5 MSa/s for 2 channels
 - 2.5 MSa/s for 4 channels
- Minimum sampling rate: 10 Sa/s
- Acquisition mode:
 - Normal: direct downsampling
 - Precision: improves resolution by averaging
 - Peak detect: Displays high and low amplitude samples

Applications

- Temperature monitoring
- Vibration analysis
- Environment monitoring
- Sensor logging