

NI myDAQ Data-Acquisition Device

Industry-proven
data-acquisition techniques
that are student accessible.



myDAQ Connections

Analog Input:
2 channels, 200 kS/s, 16-bit

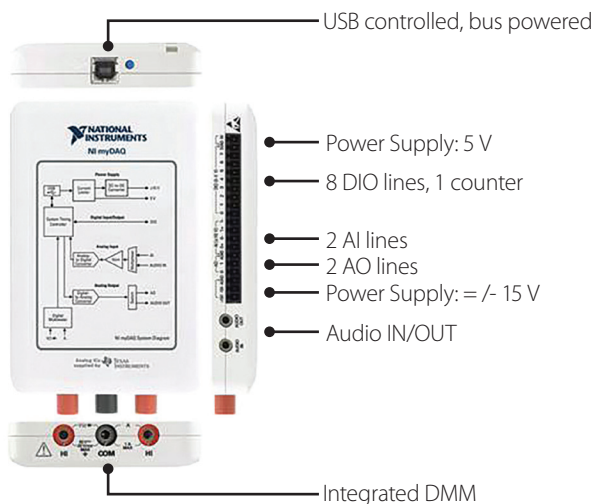
Analog Output:
2 channels, 200 kS/s, 16-bit
3.5 mm stereo audio jacks

Digital I/O: 8 LVTTTL lines

Counter: 1 counter/timer

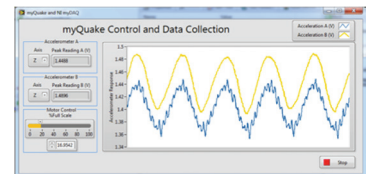
Integrated DM: V, A, Ohm

Power Supply: +5 V, +/-15 V
Screw term + mass term option
Bus Powered (USB) operation



The basis for collecting real-time data from sensor output is National Instruments' myDAQ. It provides the electronic interface between the sensors in Pitsco's miniSystems and the computer.

Data from the myDAQ is processed by the computer using National Instruments' LabVIEW™ software. The data can be manipulated and displayed in a variety of ways, either in real time or saved for further analysis at a later date.



Input for the myDAQ can be in the form of audio connections (iPods, MP3 players, or other) and voltage (test leads provided). The myDAQ can also provide digital input and output via digital I/O lines.

Pitsco miniSystems include a printed circuit board with digital I/O that plugs into the side of the myDAQ. This allows data from sensors to be read and displayed by the computer. It also allows miniSystems and other devices to be controlled (such as changing the speed or direction of a motor) via the computer.