



CUSTOM PRODUCT DEVELOPMENT

# Pneumatic Shaker



Shaker for use in magnet room



Control room unit

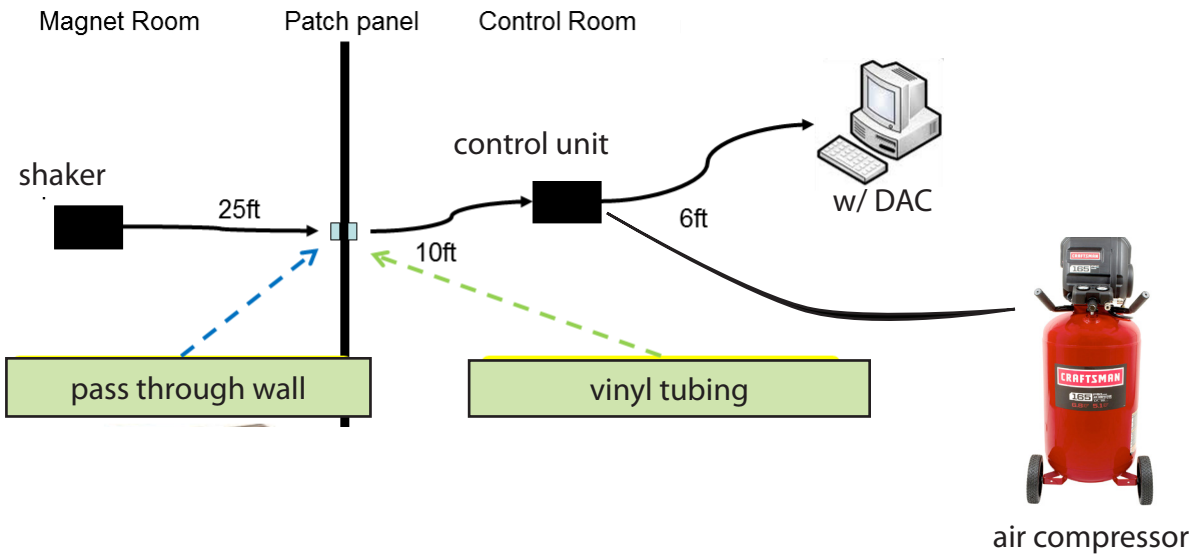
## Features

- High amplitude vibration relative to piezo electric devices
- Higher and wider range of frequencies versus pneumatic actuators
- Amplitude can be adjusted by using different weights
- Variable frequency range depends on supply air pressure
- Simple 5 volt interface works with popular National Instrument DACs on PC, Mac, or Linux systems
- Durable plastic and brass construction
- Frequency range: 50hz-110hz
- Outer Dimensions: approx. 3.25in/80mm long, 1.5 inches wide (38mm), <1.0 inches height
- For research use only
- Compressed air supply NOT provided (standing tank recommended)

## Applications

- Can be used to create stimulation on subject hands, feet, and other body parts

## Connections



## Control

The control unit has coarse and fine adjustments for air pressure. The air pressure determines the frequency of the oscillation of the shaker.

An off the shelf DAC such as the National Instruments line of USB DACs can be used to turn the flow of air to the shaker on or off. It uses simple 5v switching.