

Team 5 - Breadboard Prototype

Week 5

Current status:

We have each ordered and received all the parts we've planned to use at this point. We have one breadboard prototype as shown in figure 1 below, as well as in the attached video.

The prototype so far is only a test of two of the sensor types we will use: the flex sensor and piezo sensor. The piezo sensor gives a noisy damped sine voltage response and the flex sensor gives a variable voltage response that decreases as it is bent. Neither has been connected to the teensy controller yet, as we need to ensure the voltage inputs stay safely within range first, which is the next step.

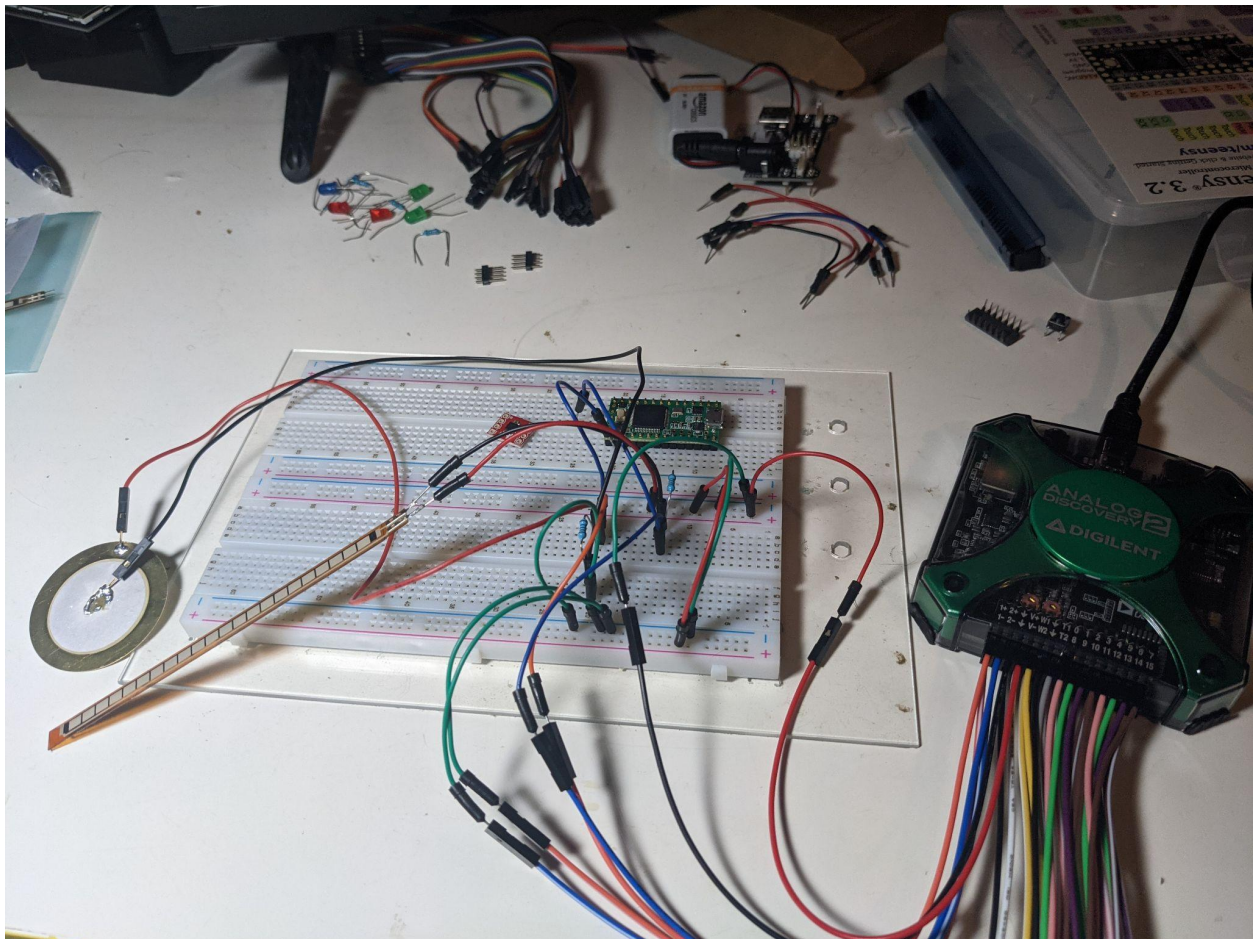


Figure 1. Breadboard Prototype #1, 10/27/21

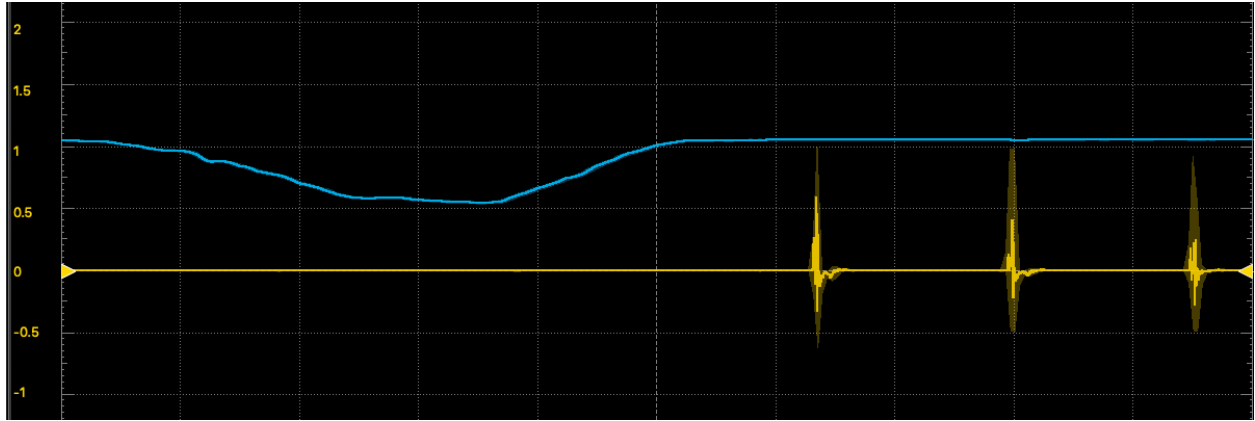


Figure 2. Output (in volts) for the piezo response (yellow) and flex response (blue)