# GTOR Load Cell Manual

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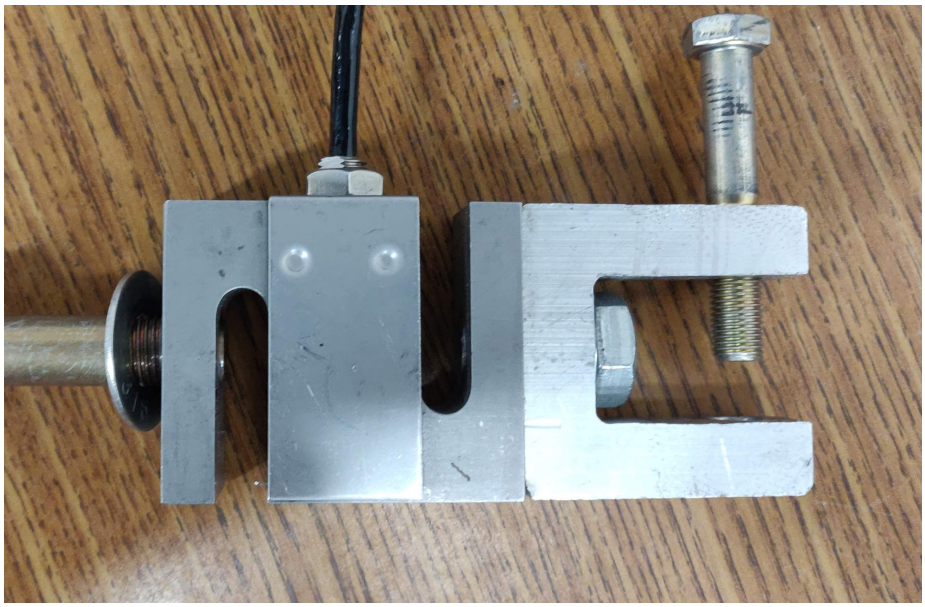
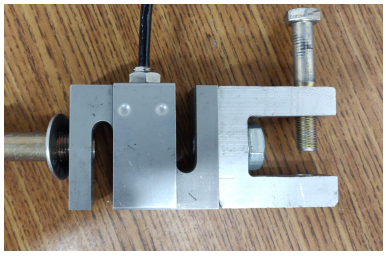


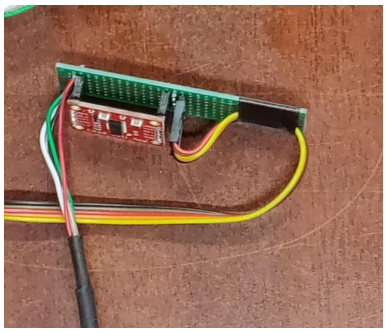
# Contents

# 1 Parts Identification

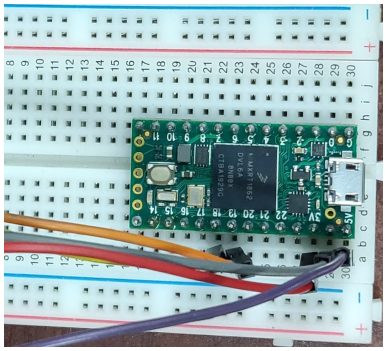
- Load Cell



- Load Cell Amplifier



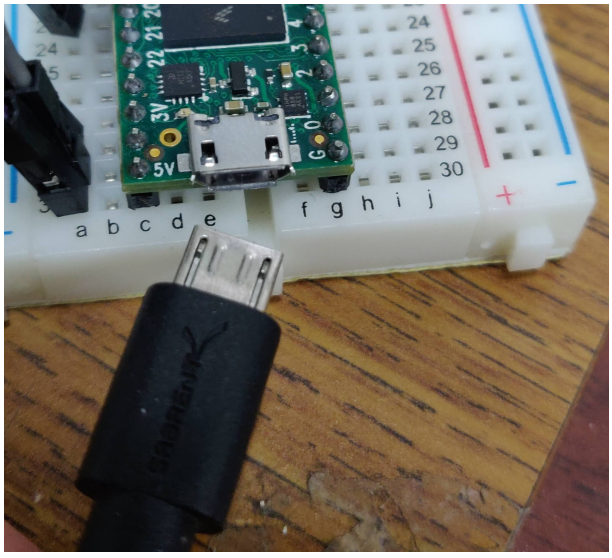
- Teensy



## 2 Electrical Hardware Setup

1. Using the figure below, identify the 4 pin connectors and plug them in. This connects the load cell to the load cell amplifier and Teensy.

2. Using the figure below, identify the USB cable and the Teensy. Plug the USB cable into the Teensy and move on to Software setup.



# 3 Software Setup

1. Please go to the Arduino download page to download the Arduino software on your computer.
2. Please go to the Teensyduino download page to download the Teensy add-on software on your computer for Arduino.
3. Finish the hardware setup before moving on in the software setup
4. Plug the USB cable into your computer
5. Open Arduino and on the menu bar select $Tools- > Port$ and select the Teensy 4.0 in the serial port section.
6. Also on the menu bar select $Tools- > Serial\ Monitor$. Here is where the force data will be printed out. If a window opened, then the data should stream in. If you get a "Board is not available" error reach out to Peter Chu in Slack or email Peter with the email provided on the title page.