Scale  
A load cell converts a force into an electrical signal that can be measured. The electrical signal changes proportionally to the force applied.

The HX711 amplifier is a breakout board that allows us to easily read load cells to measure weight.

To make an accurate scale setup, we need to calculate the calibration factor. This is defined in the function: int get\_califactor(). In this function, we need to place a known weight on the scale, and enter the weight with serial communication. Then the calibration factor can be calculated using: reading number from the hx711 aplifier / known weight.

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After setting up the calibration factor, we can setup the scale with the calibration factor.

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Then, we can get the scale reading.