**Weight & temperature Machine using Arduino:**

**ABSTRACT:**

In this guide, you’ll learn how to create a digital scale with the Arduino using a load cell, temperature sensor and the HX711 amplifier. First, you’ll learn how to wire the load cell, temperature sensor and the HX711 amplifier to the Arduino to build a scale. Then, we’ll show you how to calibrate the scale, heat of object and a simple example to get the weight of objects. Later, we’ll also add a display to show the measurements and a button to tare the scale.

**COMPONENTS**

* Arduino UNO Board
* HX711 Amplifier
* Load Cell temperature sensor
* 16x2 LCD Display
* Potentiometer 10K
* Connecting Wires