

HX711 Module operates at 5V and communication is done using serial SDA and SCK pins.

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\* circuits4you.com

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\* Load Cell HX711 Module Interface with Arduino to measure weight in Kgs

Arduino

pin

2 -> HX711 CLK

3 -> DOUT

5V -> VCC

GND -> GND

Most any pin on the Arduino Uno will be compatible with DOUT/CLK.

The HX711 board can be powered from 2.7V to 5V so the Arduino 5V power should be fine.

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#include "HX711.h" //You must have this library in your arduino library folder

#define DOUT 3

#define CLK 2

HX711 scale(DOUT, CLK);

//Change this calibration factor as per your load cell once it is found you many need to vary it in thousands

float calibration\_factor = -96650; //-106600 worked for my 40Kg max scale setup

//=============================================================================================

// SETUP

//=============================================================================================

void setup() {

Serial.begin(9600);

Serial.println("Press T to tare");

scale.set\_scale(-96650); //Calibration Factor obtained from first sketch

scale.tare(); //Reset the scale to 0

}

//=============================================================================================

// LOOP

//=============================================================================================

void loop() {

Serial.print("Weight: ");

Serial.print(scale.get\_units(), 3); //Up to 3 decimal points

Serial.println(" kg"); //Change this to kg and re-adjust the calibration factor if you follow lbs

if(Serial.available())

{

char temp = Serial.read();

if(temp == 't' || temp == 'T')

scale.tare(); //Reset the scale to zero

}

}

//=============================================================================================