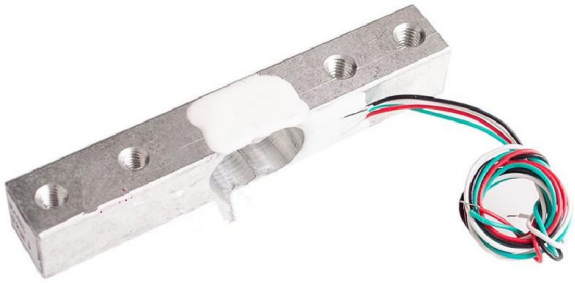
WEIGHING LOAD CELL SENSOR 10KG FOR ELECTRONIC KITCHEN SCALE YZC-133 WITH WIRES



Electronic weighing machine uses load cell to measure the load or pressure produced by the load, here most load cells are follows the method of strain gauge, Which converts the pressure (force) into an electrical signal, these load cells have four strain gauges that are hooked up in a Wheatstone bridge formation.

When we apply load the strain gauge resistance will change and hence the output voltage from the load cell get changes by the way we can measure the load value.

DESCRIPTION:

Rated Load: 10Kg

Rated Output: 1.0 ±0.15mV/V

Zero Output: ±0.1mV/V

Cree: 0.03%F.S./30min

Input End: Red+, Black-

Output End: Green+, White-

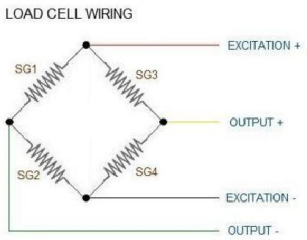
Input Impedance: 1115±10% Ω

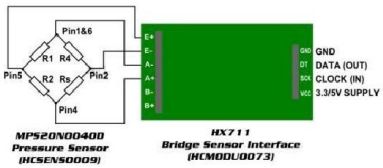
Output Impedance: 1000±10% Ω

Maximum working voltage: 15V DC

Operating temperature range: -20~60°C

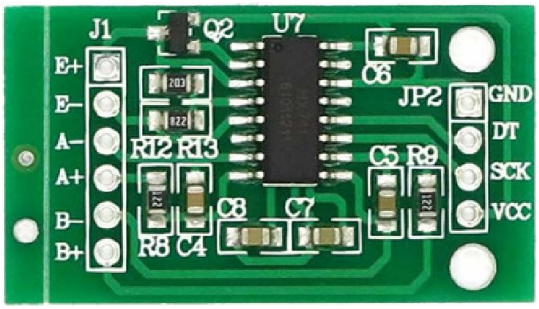
Total Size: 80 x 13 x 13mm/3.14 x 0.51 x 0.51″(L X W X H)





HX711 (24 bit Analog to Digital Converter)

HX 711 is a precision 24-bit analog to digital converter (ADC) specially designed for Weigh scales and industrial control applications to interface directly with a bridge sensor.



Simply connect Load cell wires to the HX711 module based on their color, then connect DAT (Data) pin to Arduino Analog pin A1 and connect CLK (Clock) pin to Arduin0 Analog pin A0, Put Vcc and Gnd supply from Arduino power source pins.