

K-type Thermocouple Breakout Board 1350°C High Temperature For 3V-5V Arduino

Feature:

Thermocouples are very sensitive, requiring a good amplifier with heatsink.

This product does everything for you, and can be easily interfaced with any microcontroller, even one without an analog input.

This breakout board has the chip itself, a 3.3V regulator with 10uF bypass capacitors and level shifting circuitry all assembled and tested.

Comes with a 2 pin terminal block (for connecting to the thermocouple) and pin header (to plug into any breadboard or per board).

Description:

Measurement temperature range: - 200 °C to +1350 °C

SPI interfaces, high-speed transmission

The input voltage is 3-5v DC

Direct digital output temperature value, no amplifiers, no ADC

14-bit resolution, 0.25 degree temperature accuracy

Note:

Works with any K type thermocouple

K thermocouples have about $\pm 2^{\circ}\text{C}$ to $\pm 6^{\circ}\text{C}$ accuracy

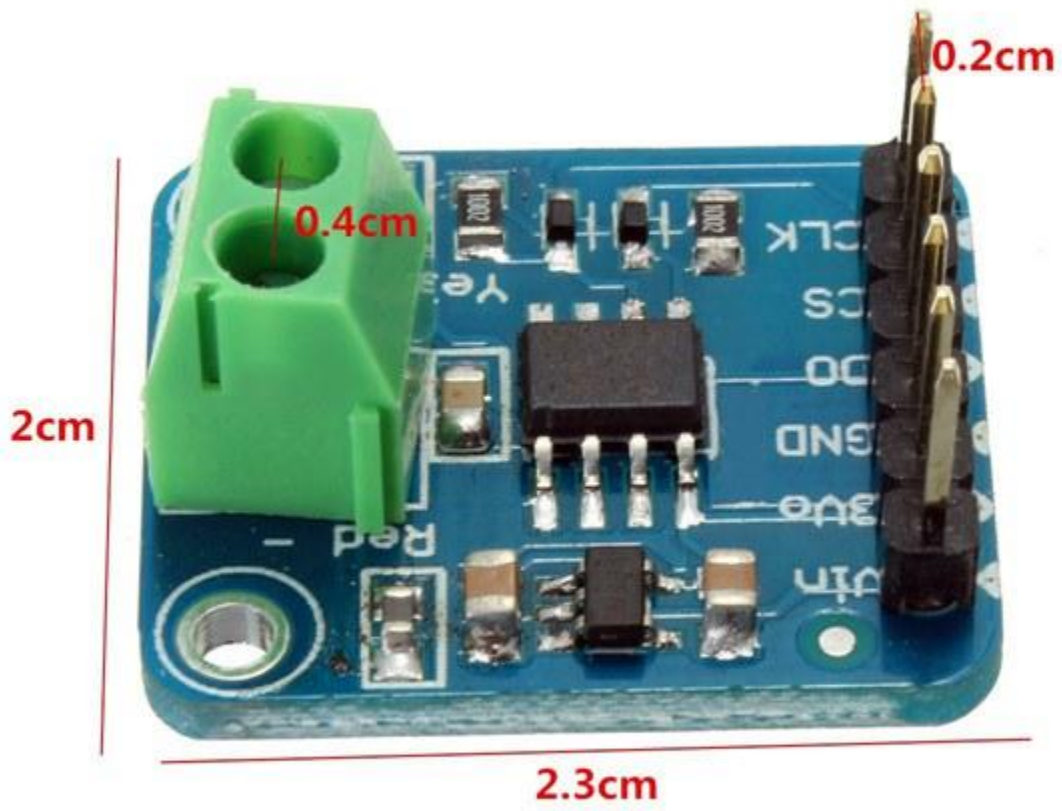
Internal temperature reading

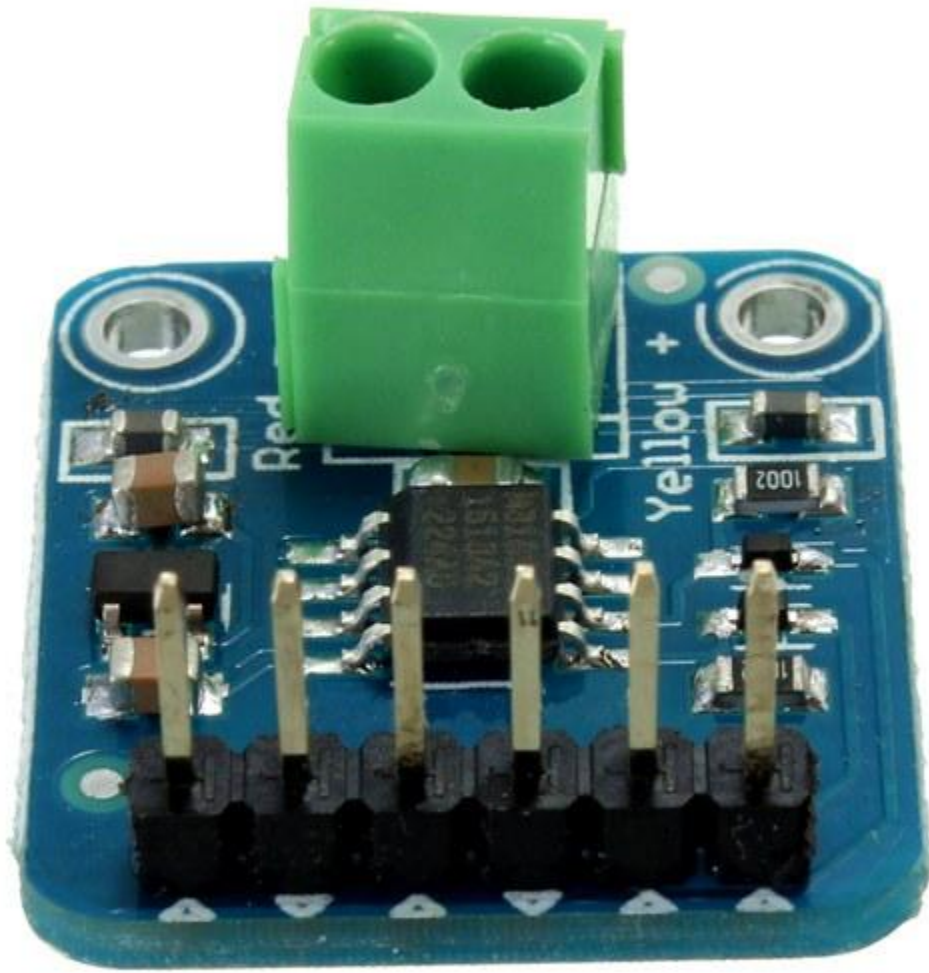
3 to 5v power supply and logic level compliant!

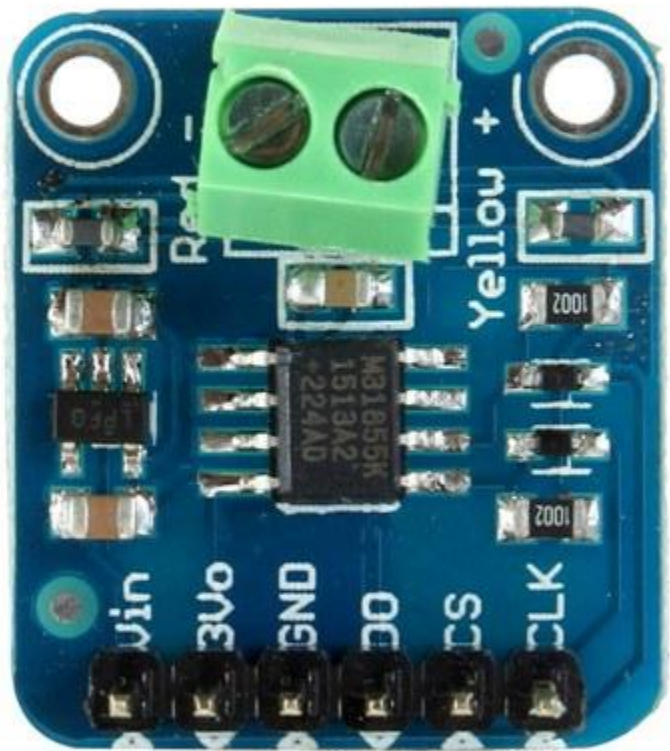
SPI data output requires any 3 digital I/O pins.


Packing included:

1 x Thermocouple Breakout Board









Thermocouple Amp.
K-Type wire only!
Range: $-200^{\circ}\text{C} \rightarrow 1350^{\circ}\text{C}$
 $V_{in}: 3-5\text{VDC}$
 $3V_o: 3.3V_{out} @ 100\text{mA}$
Logic: $3-5\text{V}$ compat.