



## Octopus Temperature Sensor Brick TMP36

The Pi Supply Octopus TMP36 Temperature Sensor Brick is a temperature sensor with low voltage and accurate celsius read. It can provide voltage output which forms a linear relationship with celsius temperature. The TMP36 do not need any external calibration. When it is at +25°C, its typical accuracy is  $\pm 1^\circ\text{C}$ , while it is within the range from -40°C to +125°C its typical accuracy is  $\pm 2^\circ\text{C}$ .

### What are Octopus Electronic Bricks?

Pi Supply Octopus Electronic Bricks can be used to build electronics projects just as easy as piling bricks. You can also connect Arduino compatible boards easily with various digital, analog and I2C/Uart interfaces. The breadboardless connections let you connect expansion modules like potentiometers, sensors, relays, servos, buttons in a plug and play way.

## Features

- Accuracy :  $\pm 2^{\circ}\text{C}$  (Typical value in the whole temperature range)
- Linear Degree :  $\pm 0.5^{\circ}\text{C}$  (Typical)
- Enable to drive big capacitive load stably.
- Low Working Voltage : +2.7 V to +5.5 V
- When power currency lower than  $50\ \mu\text{A}$ , it has very small automatic heat effect.
- No need to do any external calibration.
- Nominated Temperature Measuring Range :  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ , working temperature can be up to  $+150^{\circ}\text{C}$ .
- Ratio Coefficient :  $+10\ \text{mV}/^{\circ}\text{C}$
- Analog Output
- Static Current : lower than  $50\ \mu\text{A}$
- Turn Off Current : Maximum  $0.5\ \mu\text{A}$

## What's Included

- 1 x Octopus TMP36 Temperature Sensor Brick
- 1 x Analog Sensor Cable

