sparkfun ELECTRONICS

Temperature Sensor - Waterproof (DS18B20)

SEN-11050 ROHS

This sealed digital temperature probe lets you precisely measure temperatures in wet environments with a simple 1-Wire interface. The DS18B20 provides 9 to 12-bit (configurable) temperature readings over a 1-Wire interface, so that only one wire (and ground) needs to be connected from a central microprocessor.

Note: The pinout for this sensor is as follows: RED=Vcc BLACK=GND WHITE=SIG

FEATURES

- 3.0-5.5V input voltage
- Waterproof
- -55°C to+125°C temperature range
- ±0.5°C accuracy from -10°C to +85°C
- 1 Wire interface
- Probe is 7mm in diameter and roughly 26mm long. Overall length (including wire) is 6 feet.

DOCUMENTS

- Datasheet (DS18B20)
- Simple Sketch Code
- mbed Example

https://www.sparkfun.com/products/11050/9-9-21