Waterproof DS18B20 Sensor Kit

SKU: KIT0021

INTRODUCTION

If you are familiar with our product, you will find there is a waterproof temperature sensor named DS18B20. This waterproof temperature sensor kit is using the same probe——DS18B20 probe AS. It contains a probe with a resistor module. So it is easy to connect on the Arduino board.

The DS18B20 temperature sensor 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. Compatible with 3.0-5.5V systems.

Check 27 Pcs Sensor Kit for Arduino to get more sensors for Arduino.
SPECIFICATION

- Operating voltage: 3.0~5.5V
- ±0.5°C Accuracy from -10°C to +85°C
- Usable temperature range: -55 to 125°C (-67°F to +257°F)
- 9 to 12 bit selectable resolution
- Uses 1-Wire interface - requires only one digital pin for communication
- Unique 64 bit ID burned into chip
- Multiple sensors can share one pin
- Temperature-limit alarm system
- Query time is less than 750ms
- 3 wires interface:
  - Type A
    - Red wire - VCC
    - Black wire - GND
    - Yellow wire - DATA
  - Type B
    - Red wire - VCC
    - Yellow wire - GND
    - Green wire - DATA
- Stainless steel tube 6mm diameter by 35mm (1.34") long
- Cable diameter: 4mm (0.16")
- Length: 90cm (35.43")

SHIPPING LIST

- Waterproof DS18B20 Digital temperature sensor (DFR0198) x1
- Terminal sensor adapter (DFR0055) x1
- Digital sensor cable (FIT0011)