

## Waterproof DS18B20 Sensor Kit

# SKU:KIT0021



### **INTRODUCTION**

If you are familiar with our product, you will find there is waterproof temperature sensor named DS18B20. This waterproof temperature sensor kit is using the same probe——DS18B20 probe AS. It contains a probe with a resister 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
- $\pm 0.5^{\circ}$ C Accuracy from  $-10^{\circ}$ C to  $+85^{\circ}$ 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)