Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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
- ±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)