

DS18B20 Temperature Probe

Product Introduction

DS18B20 Temperature Probe is a stainless steel temperature probe for use in extreme environments.

Product Size

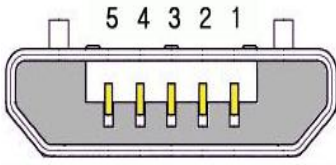
Diameter of the metal probe: 6mm
Length of the metal part: 31mm



Product Specifications

| Product Specifications | |
|------------------------|--|
| Name | DS18B20 Temperature Probe |
| Model | DS18B20 |
| Material | Stainless steel |
| Cable length | 3m/5m/Custom-made |
| Operating Voltage | 3 / 5.5V |
| Connector | Micro-USB/Custom-made |
| Internal chip | American DALLAS DS18B20 |
| Measurement range | -55°C to +125°C |
| Measurement accuracy | ±0.5°C (in the environment of -55°C to +125°C) |
| Protocol | Single Bus protocol |
| Power Consumption | ≤0.1W |
| Ingress Protection | IP68 |
| Thunder prevention | Level 1 |
| Match with | WS1/WS1 Pro and other UbiBot products |

Product Interface Definition



| Pin Sequence | Pin Definition |
|--------------|----------------|
| Pin 1 | GND |
| Pin 2 | NC |
| Pin 3 | NC |
| Pin 4 | I/O |
| Pin 5 | VCC |

Product Working Environment

This product is suitable for indoor and outdoor environments.

The recommended operation environmental conditions: -55 to 125°C.

Product Customization Instructions

The DS18B20 probe cable can be customized according to the user's requirements. The external connector of the product can be removed or replaced with other types of connectors. We can also support a flat cable.

This product is able to match with our UbiBot products, such as WS1/ WS1Pro(WiFi)/WS1Pro (mobile network) and the upcoming easy-to-install smart plug.

Product Applications

This product is suitable for temperature monitorings in these industries: refrigerated truck, pharmaceutical factory GMP monitoring system, telecom airport monitoring, beer manufacturer, smart building , warehouse management, logistics, process temperature monitoring, air conditioning, incubation, animals breeding, greenhouse, freezers and other industries.