

# User Guide

## Introduction

UbiBot Temperature Sensor is an exquisitely compact, highly sensitive, fast-sensing, interference-resistant and highly accurate external temperature sensor for on-site temperature measurement in harsh environments.

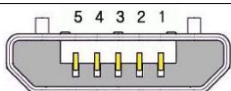
## Specification



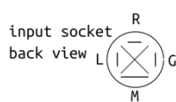
Specification	
Model	UB-DT-P1
Power Supply	DC 3 ~ 5.5V
Measurement Range	-55 ~ 125°C
Measurement Accuracy	±0.5°C (@-55 ~ 125°C)
Material	Stainless steel
Dimensions	Φ6mm * 31mm
Cable Length	3m / 5m / Custom-made
Connector	Micro USB / Audio / Custom-made
Internal Chip	American DALLAS DS18B20
Protocol	Single Bus protocol
Ingress Protection	IP68
Thunder Prevention	Level 1

## Wiring Instruction

### Micro USB

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

### Audio

	
Pin Sequence	Pin Definition
L	VCC
R	NC
M	Data
G	GND

## Product Working Environment

This product is suitable for indoor and outdoor environments. The recommended operation temperature is -55 ~ 125°C.

## Product Applications

This product is suitable for temperature monitoring 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.