



UbiBot PT-100 Industrial Grade Temperature Probe (-200°C to +400°C)

SKU: UBIBOTPT100
Manufacture Warranty period: 12 months
Country of Origin: China

Introduction

The PT100 probe is made of specially treated platinum wire wrapped around the inner surface of the probe. Compared with the general axial thermal resistance, it can reflect the actual temperature of the measured object quickly and accurately.

The buttcock line is made of high temperature zone shielded fiberglass material, with a temperature range of up to 200 degrees Celsius. PT100 adopts the chip imported from Germany with high stability, and adopts a more stable three-wire connection mode to ensure the accuracy of temperature measurement and anti-interference ability of the system.

The probe shell is made of 304 stainless steel, which has good resistance to acid and alkali corrosion. The shell is completely wrapped and can reach IP68 waterproof grade, which means the probe can be continuously measured in water.

Features

- Works in extreme conditions
- Durable high quality material
- Integrated sensor with transmitter
- Design to pairs UbiBot model: GS1, SP1, or WS1-Pro.
- Direct access of sensing readings
- 304 Stainless steel probe

Applications

- Steelworks
- Chemical Plant
- Oil Refinery Plant
- Food Making Factory
- Power Station
- Sewage Disposal

Reminder

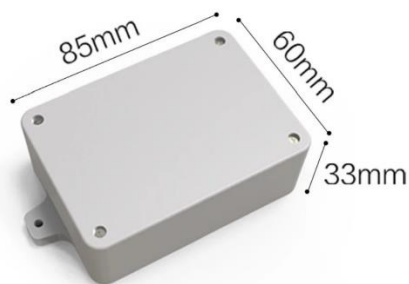
1. The external sensors are disabled by default. Please enable them in the "Settings" page on the App or the console after inserting the probe into the device. In this case, the readings from the external probe are accessible.
2. Do not directly place the transmitter in a high temperature environment.
3. It is prohibited to place the transmitter in the environment of steam, water mist, water curtain or condensation for a longtime.
4. The temperature tolerance of the probe buttcock line is 200°C. Exceeding this temperature will lead to the failure of normal temperature measurement and even permanent damage.
5. Once the waterproof box of transmitter is opened, it will not be returned or replaced.

Specifications

Temperature Range	
Range:	-200°C to 400°C
Accuracy:	±(2%+1°C)

Steel Probe Length	200mm
Probe Diameter	Φ5mm
Length of lead	3 meters – GS1 / SP1
	1.9 Meters – WS1-Pro
Buttcock line temperature range	-30°C to 200°C
Probe Material	304 Stainless Steel
PT100 Transmitter Dimension	85x60x33mm
Connector	3.5mm Audio Plug for GS1 or SP1
	Micro USB for WS1-Pro
Nomial input voltage	5V to 12V
Output interface	5V RS485
Communication Protocol	Modbus RTU
IP Rating	IP68

Transmitter



* These features can be available when matches with the WS1 Pro.

