

# Temperature probe PT100, -200 to 450°C, roller 4x30mm, 3 wires

## Product codes:

Reference: AM3791

EAN13: -

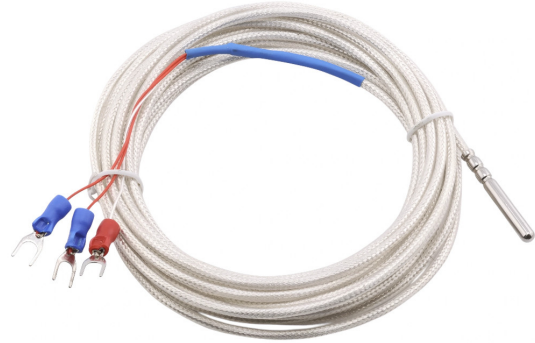
UPC: 90321020

## Product features:

Waterproof grade: IP68

Type: PT100

Operating temperature: -50°C - +200°C



## Product attributes:

Length: 1 m, 2 m, 3 m, 4 m, 5 m

## Product description:

The PT100 resistance temperature sensor is designed for temperature measurement in technological, laboratory and control applications. The design with a probe in a metal housing, 3-wire cable and fork connectors allows connection to regulators, measuring instruments and control systems. The product is available in cable lengths of 0.5 m, 1 m, 2 m, 3 m, 4 m and 5 m.

## Technical specifications

- Sensor type: PT100
  - Sensor type: resistance temperature sensor
  - Connection type: 3-wire
  - Cable insulation material: PTFE
  - Cable shielding: metal shielding
  - Outer protective braid: transparent PTFE
  - Probe size: diameter 4 mm, length 30 mm
  - Probe material: 304 stainless steel
  - Wire terminations: spade connectors
  - Available cable lengths: 0.5 m, 1 m, 2 m, 3 m, 4 m, 5 m
  - Stated temperature range in the documents: -50 to 200 °C
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## **Functions and features**

- Resistance temperature measurement using a PT100 sensor
- 3-wire connection for connection to measuring and control inputs designed for PT100
- Metal probe in a tubular design for insertion into the measured location
- PTFE insulation and braided cable design for mechanical and thermal resistance of the supply
- Shielded cable to reduce the influence of electromagnetic interference
- Fork connectors for direct mounting into screw terminals

## **Ideal for**

- Connection to temperature controllers and panel meters with PT100 input
- Temperature measurement in industrial and workshop facilities
- Laboratory and test applications
- Installation in heating, cooling and control systems

## **Package contents**

- 1x PT100 temperature sensor with cable (length according to selected variant)

## **Why choose this product?**

- Clearly defined PT100 design with 3-wire connection
- Compact 4 x 30 mm probe for installation in confined spaces
- Shielded PTFE cable suitable for technical measurement applications
- Multiple cable lengths to suit specific installations
- Forked termination makes it easy to connect to terminal blocks

## **Installation and operating instructions**

- Before connecting, verify the compatibility of the device input with the PT100 sensor and 3-wire connection.
- During installation, ensure that the individual wires are connected correctly according to the diagram of the controller or measuring device used.
- Do not bend the cable with a small radius at the probe exit point.
- Install the sensor so that the measuring part of the probe is in sufficient contact with the measured environment.

## **Safety notice**

- Only perform installation and connection when the device is disconnected from power.
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- Incorrect wiring can lead to measurement errors or damage to the downstream electronics.
- If the sensor is connected to an industrial controller or mains-powered device, the installation must be carried out by a qualified person.
- The product is not intended for use outside the range and conditions specified by the measuring or control device used.

**Product gallery:**

