

PRODUCT OVERVIEW

M-Series Pt-RTDs are characterized by **long-term stability** and **excellent precision** over a wide temperature range **from -70 °C to +500°C**. Class F 0.3 also applies **up to +550 °C** for short periods. The M308 element combines the advantages of the M-Series with a **very slim size**, supporting small probe geometries and **compact assemblies**.

The sensor is ideal for applications such as **medical devices or wearables**.

Quick Facts

Nominal resistance: 100 and 1000Ohm

Class: F 0.3 according to DIN EN 60751

Operating temperature: -70 °C to 500 °C
short term 550 °C

Contact & Information

For special requests (custom designs, etc.), contact regional Sales Manager.

Sensors

Temperature

WIRED PT-RTD M308



Key Selling Points

Features

<1mm installation diameter

Fastest Response time

Pb-Free

1000h @500°C tested

Other tolerances, values of resistance and wire lengths are available on request

Customer Value

Suitable for very small installation spaces.

Enables instant feedback for accurate and efficient process control.

Meets environmental standards for safe, lead-free production.

Highly durable and long-term stability over lifetime

Flexibility for customer specific requests

Target Applications

- **Medical devices**
- **Battery control**
- **Solar cells**
- **AI cooling server**
- **Wearables**
- **Robotics**

Market Advantages

- Provides precise temperature detection with very short response times, enabling accurate monitoring in dynamic applications.
- Offers stable performance over years of operation with low signal drift, even under strong vibration and shock conditions.
- Suitable for tube inner diameters below 1 mm and compatible with welding, brazing, or crimping

