# Pt100 (202) class F0.3 with flat wires, with optimized ESD design

Thin-film platinum, ESD-optimized, 100 Ohm RTD component

Platinum sensor with flat Gold-coated Nickel wires with long-term stability and low self-heating

**Product Name:** P0K1.202.3FW.B.007
**Nominal resistance:** 100 Ω at 0 °C
**Operating temperature range:** -200 °C to +300 °C
**TCR:** Pt 3850 ppm/K
**Chip size/dimensions:** 2.0 x 2.0 x 1.3 mm
**Tolerance/class:** IEC 60751 F0.3 (IST AG tolerance class B)
**Connection type:** Au-coated Ni flat wire, 0.2 x 0.4 mm (only < 600°C)
**Wire length:** 7 mm
**Special:** ESD optimized design (IEC/EN 61000-4-2)
**Packaging:** Blister
**Product Old code:** replaces former 100850

**Product code:** 155743

# Product details

## Platinum Sensors

Innovative Sensor Technology IST AG platinum temperature sensors provide solutions for extreme temperature applications and are designed with the highest quality materials, allowing them to operate within a wide temperature range of -200 °C to +1000 °C.  Standard IEC 60751 sensors are offered in class F0.3 (0.12 %), class F0.15 (0.06 %), F0.1 (0.04 %), and higher accuracies upon request.Our sensors are available in wireless (SMD) and wired configurations, and in sizes ranging from  0.75 mm to 10 mm (L), and 0.75 mm to 5.08 mm (W).  Standard sensors can be customized with a variety of lead wire material, insulations, length, and configurations.

With many years of experience, iST also offers development of customer-specific applications in terms of sensor technology development and consultation. As part of the standard development process, we give support at the point of implementation - this way we ensure the best sensor solution for specific applications.

More information on platinum temperature sensors

## ESD optimized design

To strenghten the stability of your assembled systems we are committed to the continued optimization and development of ESD-optimized temperature sensors.

With optimized design and new process technology we offer platinum temperature sensors with outstanding ESD resistance. The designs have been tested according to European Union Standards, the IEC/EN61000-4-2.

Thanks to a state-of-the art in-house ESD laboratory, we are able to test our sensors internally according to international standards.

Download flyer for more information.

## Quality

Consistent with the well-known, high-quality standards in Switzerland, IST AG is certified according to ISO 9001:2015 (quality) and ISO 14001:2015 (environment). Appropriate processes are part of our daily work. They are regularly audited and extended parallel to the growth of our company.

> Read more

## The online shop

| Quantity (pieces) | Price (per piece) |
|---|---|
| 10-49 | CHF 2.94 |
| 50-99 | CHF 2.33 |
| 100-150 | CHF 2.06 |

Stock: **30**