



TEMPERATURE



HUMIDITY



FLOW

# Platinum Temperature Sensors Order Information

P 1 K 0. 5 2 0. 4 W. B. 0 1 0. M | Example

### Specials

- T Substrate thickness 0.25 mm
- D Substrate thickness 0.38 mm
- R Round housing
- W Sintered powder
- M Metallised backside
- U Inverted welding
- S Special\*

### Connection length in mm

### Tolerance classes

- A Class DIN A
- B Class DIN B
- C 2 Class DIN B
- Y 1/3 Class DIN B
- P Pairs\*
- G Groups\*
- K Customer specific\*

### Extension type

- S SIL (single in line)
- P tin solder
- P Overall (SMD) →
- FC Tin-plated contacts
- W Wire
- SW Perpendicular leads
- FW Flat wire
- I Insulated contacts
- E Enameled wires
- L Insulated stranded wires
- K Customer specific\*

- 1P = Contacts tin coated, LMP lead contained
- 2P = Contacts tin coated, LMP lead free, RoHS conform
- 3P = Contacts tin coated, HMP, RoHS conform
- 4P = Contacts gold plated, solderable film

### Temperature range

- 1 -60°C to 150°C
- 2 -200°C to 200°C
- 3 -200°C to 300°C
- 4 -200°C to 400°C
- 6 -200°C to 600°C
- 7 -200°C to 750°C
- 8 -200°C to 850°C
- 10 -70°C to 1000°C

### Mechanical dimensions (see various dimensions) in mm

### Resistance value in ohm at 0°C

### Characteristic curve

- Pt 3850 ppm/K
- W Pt 3850 ppm/K (extended temperature range in class A)
- U Pt 3750 ppm/K
- G Pt 3911 ppm/K

### Material identification

- P | Platinum

\* Additional details, specifications required from the customer.

### Order example:

- P 1K0. 520. 4 W. B. 010. M**
- 1: Material identification = Platinum Temperature Sensor
  - 2: Resistance value in ohm = 1'000 Ω / 0°C
  - 3: Chip dimension = 5 mm x 2 mm
  - 4: Temperature range = + 400°C
  - 5: Extension = Wire connections (Ag, Ø 0.25 mm)
  - 6: Tolerance class = DIN EN 60751 class B
  - 7: Connection length = 10 mm
  - 8: Special = metallised backside

Specifications are subject to change without notice



INNOVATIVE SENSOR TECHNOLOGY

