



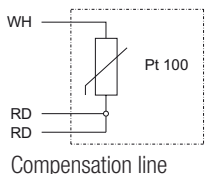
For applications in non-hazardous areas, the Pt100 resistance-measuring sensor is also available as an industrial version. We also supply different versions to suit various temperature requirements. For the different temperature areas you can choose between several versions in three-wire-connection.

**Structure**

The Pt100 M sensor is embedded in a stainless steel sleeve. A temperature-resistant supply cable runs into the sleeve. We offer three sleeve versions with different temperature ranges.

- Fast response time
- Flexible connection cable for easy installation
- Compact dimensions, compact design

**Circuit diagram**



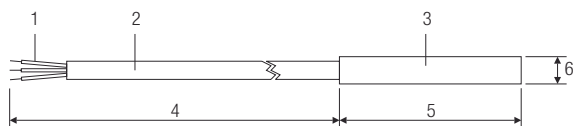
**Technical data**

Transducer	in 3-wire circuit
Measuring tolerance	Class B in conformance to EN 60751

**Electrical data**

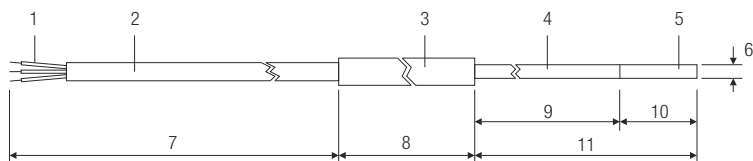
Capacity (silicone cable)	≤ 50 pF/m
Inductance (silicone cable)	≤ 2 μH/m

**Structure -50 °C to +200 °C/-50 °C to +400 °C**



- 1 Free leads
- 2 Connecting cable
- 3 Protected sleeve
- 4 Connecting cable length
- 5 Sensor length
- 6 Sensor diameter

**Structure -50 °C to +500 °C**



- 1 Free leads
- 2 Connection cable
- 3 Connection sleeve
- 4 Sheated cable
- 5 Protected sleeve
- 6 Diameter
- 7 Connection cable length
- 8 Connection sleeve, length 35 mm
- 9 Sheated cable, flexible 970 mm
- 10 Protected sleeve, rigid 30 mm
- 11 Sensor length

**Ordering information**

Measuring range	Sensor Length	Connection cable					Protection class	Order no.
		∅	Material	Length	Version	Operating temperature		
-50 °C to +200 °C	40 mm	6 mm	stainless steel	1,50 m	silicone	-50 °C to +200 °C	IP 65	<b>03-9040-0006</b>
-50 °C to +200 °C	40 mm	6 mm		5,00 m	silicone	-50 °C to +200 °C	IP 65	<b>03-9040-0010</b>
-50 °C to +400 °C	50 mm	6 mm		1,50 m	stainless steel braid	-50 °C to +400 °C	IP 40	<b>03-9040-0016</b>
-50 °C to +500 °C	1000 mm	3 mm		1,50 m	silicone	-50 °C to +200 °C	IP 54	<b>03-9040-0017</b>

Technical data subject to change without notice.