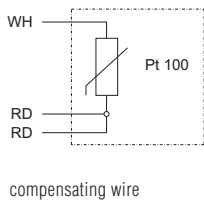




## Pt100 M Resistance thermometer

### Electrical connection



### Features

- Fast response time
- Flexible connection cable for easy installation
- Compact dimensions, compact design
- Suitable for use at high temperatures

### Description

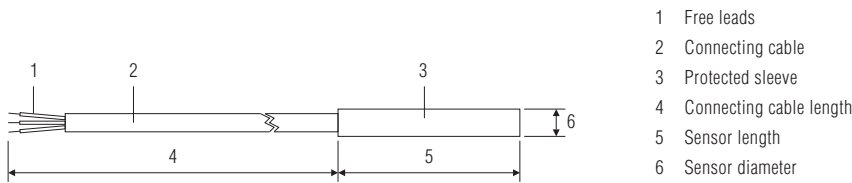
For applications in non-hazardous areas, the Pt100 M resistance-measuring sensor is also available as an industrial version. We also supply different versions to suit various temperature requirements. For the different temperature areas you can choose between several versions in three-wire-connection.

### Structure

The Pt100 M sensor is embedded in a stainless steel sleeve. A temperature-resistant supply cable runs into the sleeve.

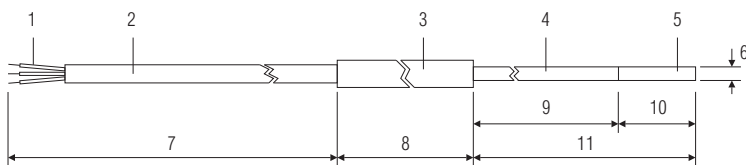
We offer three sleeve versions with different temperature ranges.

### Structure Picture 1



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

### Structure Picture 2



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

### Technical data

#### Transducer

in 3-wire circuit

#### Measuring range/Operating temperature

See Selection Chart

#### Measuring tolerance

Class B in conformance to EN 60751

#### Dimensions

See Selection Chart

#### Supply cable

See Selection Chart

#### Protection class

See Selection Chart

#### Electrical data

##### Capacity (silicone cable)

≤ 50 pF/m

##### Inductance (silicone cable)

≤ 2 μH/m

## Selection chart

Measuring range	Sensor Length	Connection cable					Protection class	Structure	Order no.
		Diameter	Material	Length	Version	Operating temperature			
-50 °C up to +200 °C	40 mm	6 mm	stainless steel	1.50 m	silicone	-50 °C up to +200 °C	IP 65	picture 1	<b>03-9040-0006</b>
-50 °C up to +200 °C	40 mm	6 mm	stainless steel	5.00 m	silicone	-50 °C up to +200 °C	IP 65	picture 1	<b>03-9040-0010</b>
-50 °C up to +400 °C	50 mm	6 mm	stainless steel	1.50 m	stainless steel braid	-50 °C up to +400 °C	IP 40	picture 1	<b>03-9040-0016</b>
-50 °C up to +500 °C	1000 mm	3 mm	stainless steel	1.50 m	silicone	-50 °C up to +200 °C	IP 54	picture 2	<b>03-9040-0017</b>