

Temperature Sensor

P/N 56.01.004

Dimensions

- | | |
|-------------------------------|----------------|
| • Insertion length | 50 mm (1.97") |
| • Overall length | 112 mm (4.41") |
| • Diameter of protection tube | 8 mm (0.31") |

Connections

- | | |
|----------------------|---------------|
| • Process connection | Thread G 1/2" |
|----------------------|---------------|

Measuring Range

- | | |
|-----------------------|---------------------------------------|
| • Temperature limits | -50 °C to +260 °C (-58 °F to +500 °F) |
| • Working temperature | -50 °C to +200 °C (-58 °F to +392 °F) |

Climatic Environmental Conditions

Permissible temperature

- | | |
|-------------------------|--|
| • Operation | -40 °C to +85 °C (-40 °F to +185 °F) |
| • Storage | -40 °C to +100 °C (-40 °F to +212 °F) |
| • Temperature influence | $\leq \pm 0.01\%/K$ deviation from +22 °C (+72 °F) |

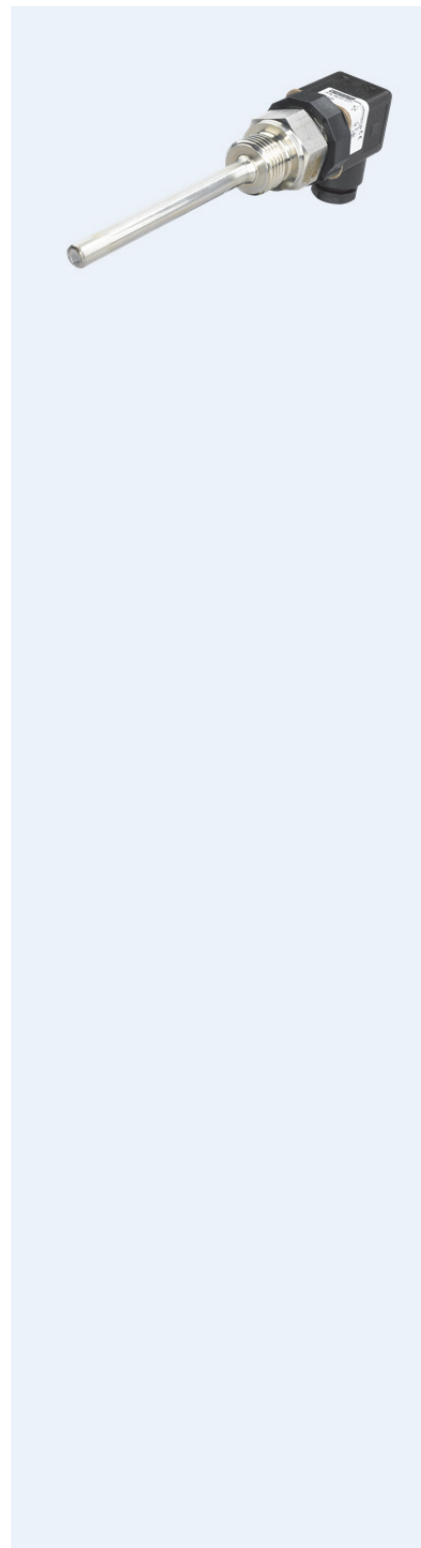
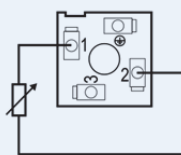
Electrical Data

- | | |
|----------------------|---|
| • Power supply U_B | 7.5 V DC to 30 V DC |
| • Working resistance | $R = (U_B - 7.5 \text{ V}) / 22 \text{ mA}$ |

Pin Designation

- 1: Power supply $U_B +$
- 2: Power supply $U_B -$

Two-wire connection



Overview Drawing

