



Temperature Transducer

RESISTANCE SENSOR

Item number: 102004

- Measuring range -50 °C ... +105 °C
- Protecting tube Ø 5,0 x 20 mm
- Pt100, 4-wire
- Cable length 10 m
- Protection class IP68

SENSOR

Measuring resistance	Pt100, DIN EN 60751
Temperature-measuring range	-50 °C ... +105 °C
Kind of measuring element	Thinfilm
Class of accuracy / limiting deviation	B / $\pm 0,3$ °C at 0 °C

ELECTRICAL CONNECTION

Type of connection Pt100	4-wire
Terminal connection	Free ends

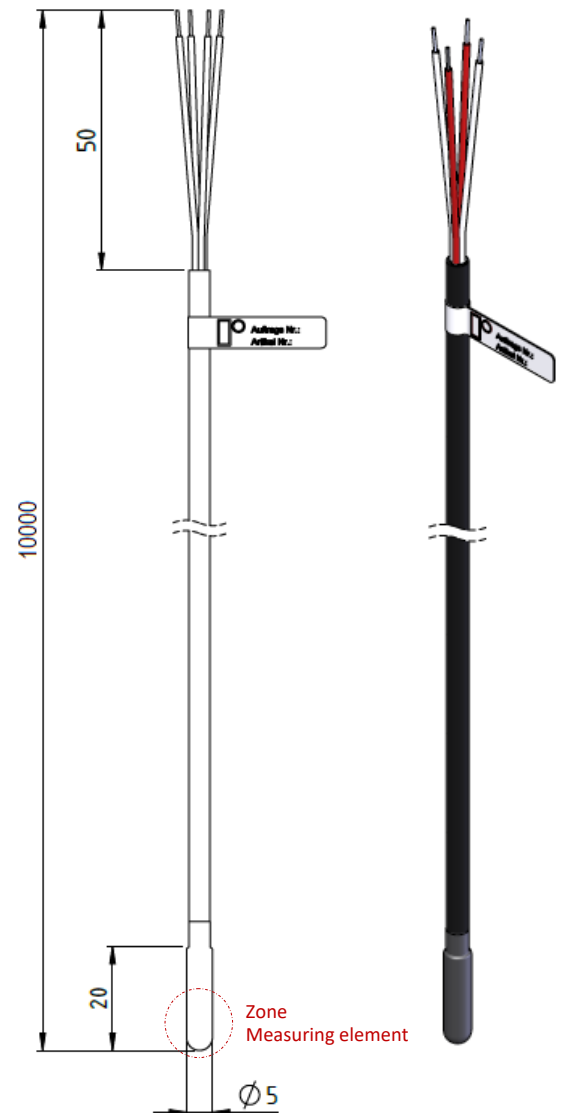
SHAPE FACTORS / MATERIAL

Protecting tube	Ø 5,0 x 20 mm / Santoprene
Connection cable	Ø 4,0 x 10'000 mm
Oversheath	TPE / Santoprene
Conductor isolation	PP

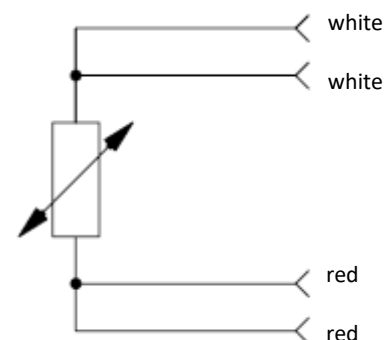
ENVIRONMENTAL CONDITIONS

IP protection class	IP68
Operation temperature cable	-50 °C ... +105 °C
Operation temp. measuring point	-50 °C ... +105 °C

DIMENSIONAL DRAWING



ELECTRICAL CONNECTION



DIN EN 60751, Pt100

DETAILS

The domain of definition of class B for thinfilm-sensorelements is between -50 °C ... +500 °C.