

Temperature Transducer

RESISTANCE SENSOR

Item number: 101870

- Measuring range -50 °C ... +105 °C
- Protecting tube Ø 5,0 x 20 mm
- Pt1000, 4-wire
- Cable length 3 m
- Protection class IP68

SENSOR

Measuring resistance	Pt1000, DIN EN 60751
Temperature-measuring range	-50 °C ... +105 °C
Kind of measuring element	Thinfilm
Class of accuracy / limiting deviation	A / $\pm 0,15$ °C at 0 °C

ELECTRICAL CONNECTION

Type of connection Pt1000	4-wire
Terminal connection	Free ends

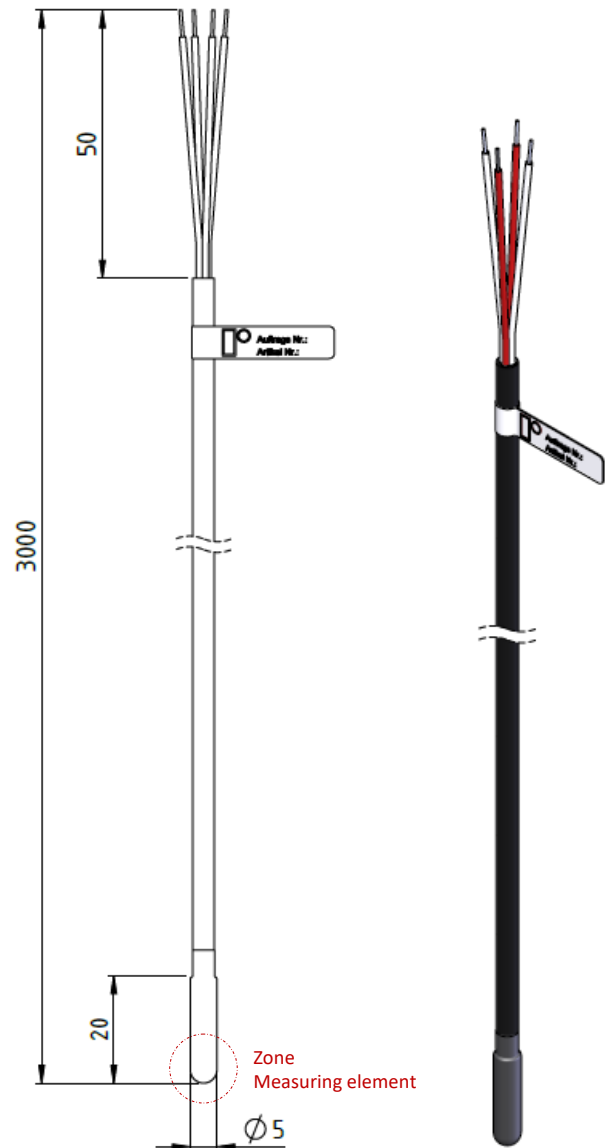
SHAPE FACTORS / MATERIAL

Protecting tube	Ø 5,0 x 20 mm / Santoprene
Connection cable	Ø 4,0 x 3'000 mm
Oversheath	TPE / Santoprene
Conductor isolation	PP

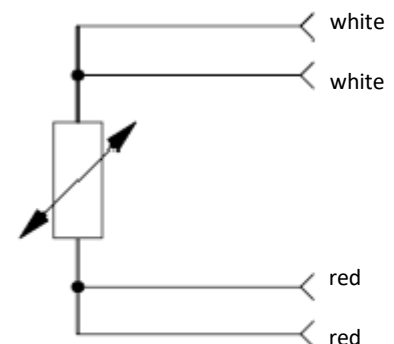
ENVIRONMENTAL CONDITIONS

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, Pt1000

DETAILS

The domain of definition of class A for thinfilm-sensorelements is between -30 °C ... +300 °C.