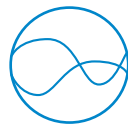


DATA SHEET

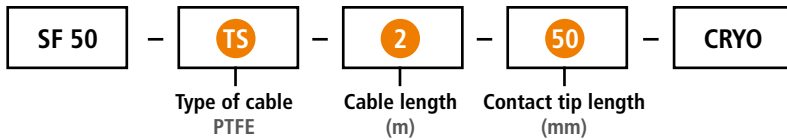
# SF 50 - CRYO

Wire temperature probe  
for cryogenic applications



Laboratory or on-site calibration  
options available

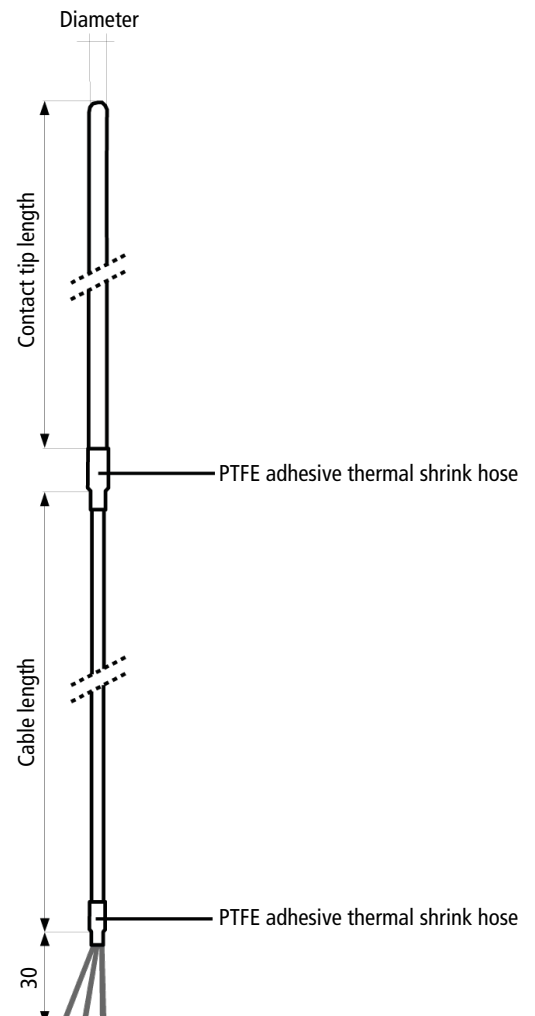
## Part number



## Technical features

Measuring range	From -80 °C to +50 °C
Accuracy	As per IEC 60751 (2008) (see table page 2)
Type of sensor	Pt100: class A as per IEC 60751 (2008)
Sensor insulation	Mineral insulating powder. Sensor protected in PTFE adhesive thermal shrink hose
Operating temperature of the cable	From -100 °C to +80 °C
Sheath	Ø 6 mm, 50 mm length. Material: 316Ti stainless steel
Number of output wires	3
Storage temperature	From -20 °C to +80 °C

## Probe dimensions (mm)



## Tolerances of Pt100 probes as per IEC 60751 (2008)

Temp °C	Tolerances (class A)	
	± °C	± Ohms
-100	0.35	0.14
-50	0.25	0.1
0	0.15	0.06
100	0.35	0.13
200	0.55	0.2
300	0.75	0.27
400	0.95	0.33

## Accessories (see specific data sheet)

- Transmitter output 4/20 mA
- Mounting support
- Calibration certificate
- Adapter cable for using the probe with data loggers (Kistock KT 320 and KT TrackLog)
- Adapter cable for using the probe with class 320 transmitters
- Adapter cable for using the probe with class 210 and 310 portables