

Characteristics

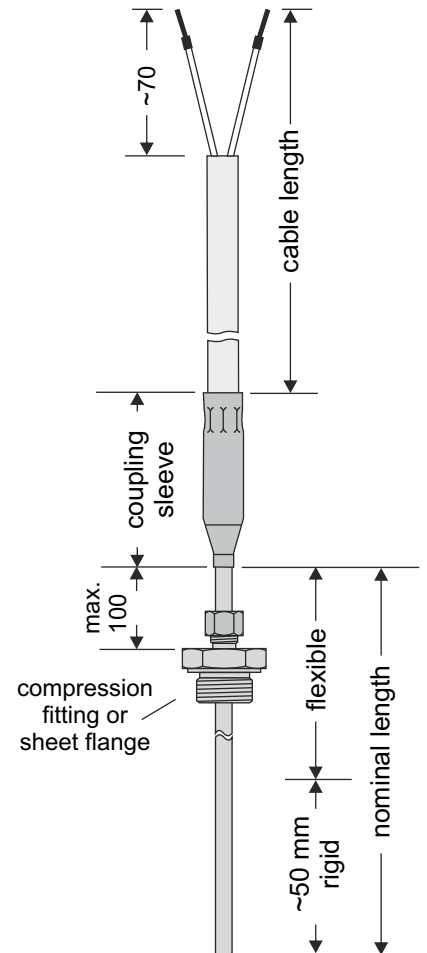
1 - TEMPERATURE - PROBE - RTD

Sensor:	Pt100 / Pt1000 / 2x Pt100 / 2x Pt1000 The operative temperature range is dependent on the selected connection cable.
Type:	2-wire / 3-wire / 4-wire
Accuracy:	class A / class B / B1/2 DIN / B1/3 DIN / B1/10DIN
Protective sheath:	stainless steel 1.4401 (316)
Sleeve joint:	stainless steel 1.4571 (316Ti)
Ø Protective sheath:	3 / 4,5 / 6 mm
Nominal length:	standard: 100 mm maximum length: 200 mm option: according to details
Connection cable:	PVC-PVC / PTFE-silicone / PTFE-PTFE / PTFE-braiding-PTFE / Fibreglass-Fibreglass-stainless steel braiding (2x 4-wire only with PTFE-silicone)
Connection:	cable, open ends, end splice, 70 mm option: other length open ends (cable) option: bare open ends, 20 mm (no cable)
Bend radius:	minimum 5x diameter of sheath tube
Cable length:	standard: 2 m option: according to details option: without
Antikink:	without
Sheath to cable:	hexagonal crimp option: ring crimp
Protection:	IP 65 (up to 250 °C) not for stainless steel braiding
Insulating resistance:	test voltage: 500 VDC
Insulator:	metal oxide
Response time:	sheath 6x0,5 mm: t90: 25 s / t50: 7 s sheath 3x0,25 mm: t90: 5 s / t50: 2 s
Accessories:	compression fitting (see data sheet WT-TE-Z) sheet flange (see data sheet WT-TE-Z)



Type approval
75 349 - 09 HH

all dimensions in mm



Protecting tube and wall:

Ø 3 mm: 0,25 mm / Ø 4,5 mm: 0,38 mm / Ø 6 mm: 0,51mm

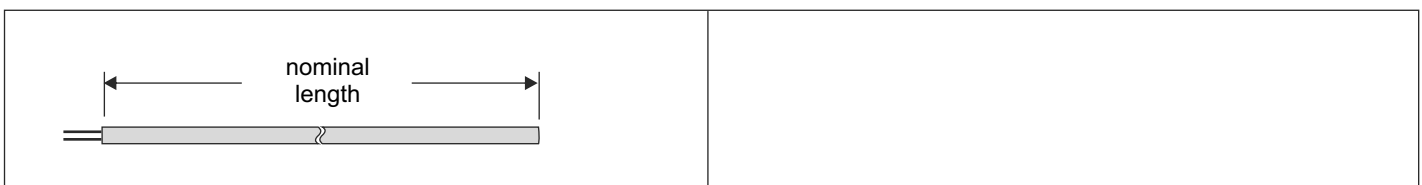
Connection cable:

PVC-PVC: 2x0,5 mm² / PTFE-silicone: 2x0,22 mm² and 4x0,22 mm² / PTFE-PTFE: 2x0,12 mm² and 4x0,22 mm²
PTFE-braiding-PTFE: 2x0,22 mm² and 4x0,22 mm² / PTFE single wire: 1x0,22 mm² (rd, wh)
Fibreglass-Fibreglass-SS braiding: 4x0,22 mm²

Maximum operative temperature range:

Sensor RTD: -200...+450 °C
Protective sheath: stainless steel 1.4401 (316): up to 600°C
Connection cable: PVC: -10...105°C / silicone: -45...180°C / PTFE: -75...250°C / Fibreglass/SS braid: -60...550°C
Compression fitting: -75...+250 °C

Option without connection cable



● **Ordering details**

Product code: KM

Sensor

- 4 1x PT100
- 5 1x PT1000
- 6 2x PT100
- 7 2x PT1000

Type

- 0 2-wire
- 1 3-wire
- 3 4-wire

Accuracy

- 0 class A
- 1 class B
- 2 B1/2 DIN
- 3 B1/3 DIN
- 4 B1/10DIN

Material protective sheath

- 0 stainless steel 1.4401

Ø protective sheath

- 0 3 mm
- 1 4,5 mm
- 2 6 mm

Nominal length

- 0 100 mm
- 1 other length (maximum 200 mm)

 mm

connection cable

- 0 PVC/PVC
- 1 PTFE/silicone
- 2 PTFE/PTFE
- 3 PTFE/braiding/PTFE
- 4 F-glass/F-glass/ss braiding
- 5 without (bare open ends)

Connection (with cable)

- 0 open ends (standard 70 mm)
- 1 open ends (other length)

 mm

Cable length

- 0 2 m
- 1 other length

 mm

Used temperature range

please indicate

 - °C