



Main features

- Pt100 sensor element
- 4-wire
- Stainless steel tube (AISI 316)
- PTFE cable with stainless steel over braid

Applications

- Machines
- Bearings
- Simple applications



Main characteristics (20°C)

Measuring range	-200...450°C
Sensor accuracy	Class A

Technical specifications

Sensor tube diameter	Ø6 mm
Sensor length	25, 60, 100, 150, 200 mm
Sensor tube material	Stainless steel, AISI 316
Cable	PTFE/PTFE/SS stainless over braid
Cable length	0,5, 2 and 5 meter
Media temperature	-200...450°C on sensor tube tip
Ambient temperature (cable)	-65...260°C

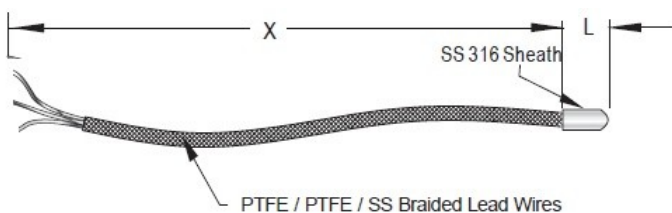
Environment

Pressure	≤25 bar
Humidity	<98% RH, condensing
Protection class	IP65

Electrical specifications

Sensor element	Pt100
Accuracy (sensor element)	Class A $\pm(0,15 + 0,002 \times t)^\circ\text{C}$ DIN/EN/IEC 60751
Wires	4-wire (2 × red + 2 × white) (for 2-wire and 3-wire connection pls. see operation instruction)

Dimensions (mm)



Sensor diameter, Ø:	6 mm
Sensor length, L:	25, 60, 100, 150 and 200 mm
Cable length, X:	0,5, 2,0 and 5,0 meter

Inquiries and orders for non standard products not listed in the ordering details page 2 must be above 100 pieces/order. Please contact Baumer

Ordering details

Cable sensor, type TNR3 **TNR3-1464.4004.0xx.0xx.x**

Cable length

0,5 meter	0 5
2,0 meter	2 0
5,0 meter	5 0

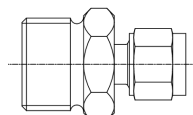
Sensor length

25 mm	0 2 5
60 mm	0 6 0
100 mm	1 0 0
150 mm	1 5 0
200 mm	2 0 0

Mounting accessories: Compression gland, type ZPB1 for Cable sensors



Thread size
As per below



Ø6 sensor

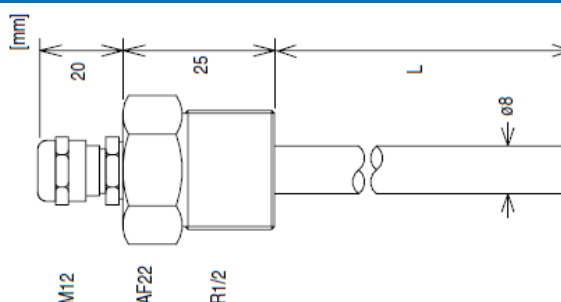
Specifications for compression gland, type ZPB1

Material:	Stainless steel, AISI 316
Sensor diameter	Ø6 mm

Ordering details for compression gland, type ZPB1-0xx65

Compression gland	ZPB1-0xx65
Connection	G1/4A
thread	G3/8A
	G1/2A
	G3/4A
	1/2" NPT
	M18x1,5

Mounting accessories: Thermo well, type ZPT3-U for Cable sensors



Specifications for thermo well, type ZPT3-U1465.xxxx

Material:	Stainless steel, AISI 316
Process connection	G1/2A
Instrument connection	M12 cable gland
Material for cable gland	Nickel plated brass

Ordering details for thermo well, type ZPT3-U1465.xxxx

Thermo well for TNR3	ZPT3-U1465.xxxx
Length	60 mm
	100 mm
	150 mm
	200 mm
	250 mm

Thermal compound

Recommended within the temperature range of -40...+180°C



Ordering details for thermal compound

6 gram in plastic bag

Order: **ZPX1-001**