

# Type 11206

## Temperature sensors Pt



- cable

### Characteristics

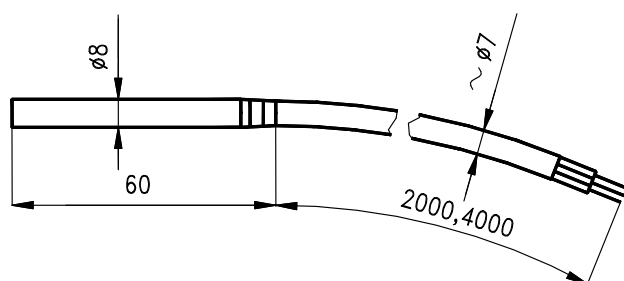
**Sensor 1x Pt 100**  
**3-wire connection**  
**8 mm stem diameter**  
**Increased el. solidity 3000 V.**  
**Mounting in wells.**

### Description - use

The sensors are designed for temperature measuring. The sensor signal can be evaluated for temperature measuring registration or signalisation. The product is subject to ČSN EN 60751 and related standards. Connected by cable.

### Dimension drawing

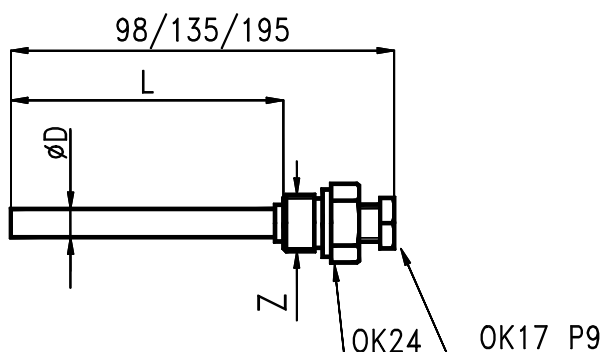
- cable sensor



Material: casing - Ms, cable - silicone

### Accessories upon order

- wells



- wells are supplied with sealing Cu ring and sealing option

### Technical data

**Measuring range:** -40 to +180°C

**Measuring current:** 1 mA

**Tolerance class:** A, B according to ČSN EN 60751

**Protection class:** IP 64 - no well

IP 66 - with well

**Temperature reaction time:** no well - water 6 s, air 30 s  
 with well - water 16 s, air 50 s

Order No. for wells *)	L	ø D	Z	Type of well
405 911 084 016(01)	63	10,3	G1/2	stainless 2pcs (1pc) <b>6.3 MPa</b>
405 911 084 116(01)	100			
405 911 084 216(01)	160			
405 911 084 316(01)	63			
405 911 084 416(01)	100			
405 911 084 516(01)	160	10	M20x1,5	Ms 2ks (1ks) <b>1 MPa</b> Ms 2ks (1ks) <b>3 MPa</b> Ms 2pcs (1pc) <b>1 MPa</b> Ms 1pc <b>1 MPa</b>
405 911 080 016(01)	63			
405 911 080 116(01)	63			
405 911 080 216(01)	100			
405 911 076 016	100			
405 911 076 116	160			

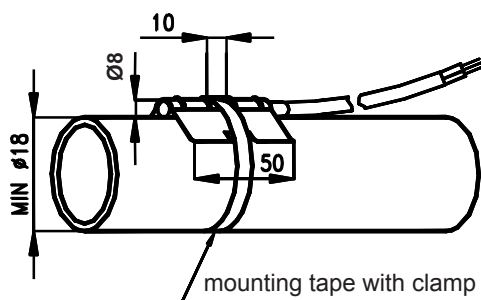
\*) order number with added **01** at the end applies to ordering 1 well

- sealing rings Cu (package 10 pcs) - for wells and weld-on-pieces

Order No.	Dimension
405 911 082 716	21 x 25
405 911 082 816	20 x 24

Due to continual technical development the manufacturer reserves the right to change parameters without prior notification.

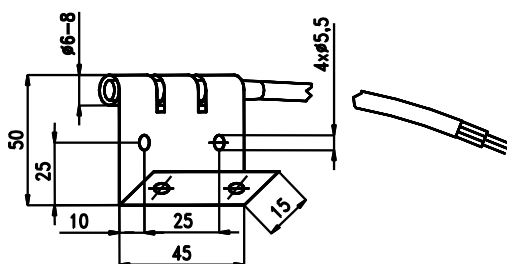
## - holder P (attachable)



Order No.: 405 911 073 316 (Ø8)

Materiál: copper

## - holder V (outdoor)



Order No.: 405 011 073 216

Materiál: steel class 11 (DIN 1.0320) with PÜ

Rated values of measuring resistance Pt for information purposes depending on temperature (ČSN EN 60751)

t [°C]	Pt100 [Ω]	t [°C]	Pt100 [Ω]	t [°C]	Pt100 [Ω]
-40	84,27	40	115,54	120	146,07
-30	88,22	50	119,40	130	149,83
-20	92,16	60	123,24	140	153,58
-10	96,09	70	127,08	150	157,33
0	100,00	80	130,90	160	161,05
10	103,90	90	134,71	170	164,77
20	107,79	100	138,51	180	168,48
30	111,67	110	142,29	190	172,17

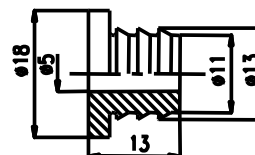
Permitted resistance deviations of Pt sensors from rated values for tolerance classes specified in °C

Tolerance class	Tolerance $\Delta T/K$ temperature   t   in °C	tolerance at t = 0 °C	
		$\Delta T/K$	Pt 100 [Ω]
A ČSN EN 60751	$\pm 0,15 + 0,002   t  $	$\pm 0,15$	99,94 to 100,06
B ČSN EN 60751	$\pm 0,30 + 0,005   t  $	$\pm 0,30$	99,88 to 100,12

## Warranty

24 months warranty is provided from the delivery date unless specified otherwise in the purchase contract.

## - rubber bushing

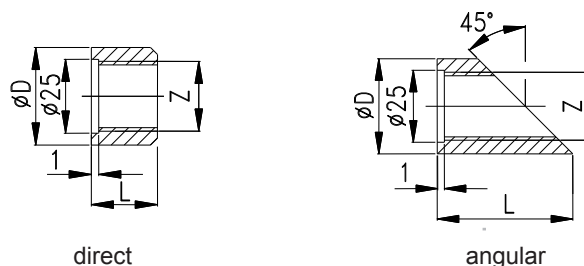


The bushing has a function of wall, sheet metal plug, etc.

Order No.: 405 061 014 516

Materiál: silicone (max. 180°C)

## - weld-on-pieces






Order No. weld-on-piece	Type	Z	L	Ø D
405 911 081 416	direct	G1/2	19	28
405 911 081 616	angular	G1/2	40	28
405 911 081 816			46	
405 911 081 516	direct	M20x1,5	19	28
405 911 081 716	angular	M20x1,5	40	28
405 911 081 916			46	

The weld-on-pieces are supplied with sealing Cu rings and have aperture for sealing option.

Materiál: welding steel class 11 (DIN 1.0308, DIN 2391)

## Ordering devices

Code	Name			
405 112 060	Cable temperature sensor			
	Code	Tolerance class		
	1	A (ČSN EN 60751)		
	2	B (ČSN EN 60751)		
		Code	Cable length L	
		01	2 m	
51		4 m		
	2	01	Ordered No.	

## Order example:

1 temperature sensor, type 11206, Pt100, tolerance class B, length cable 2 m.