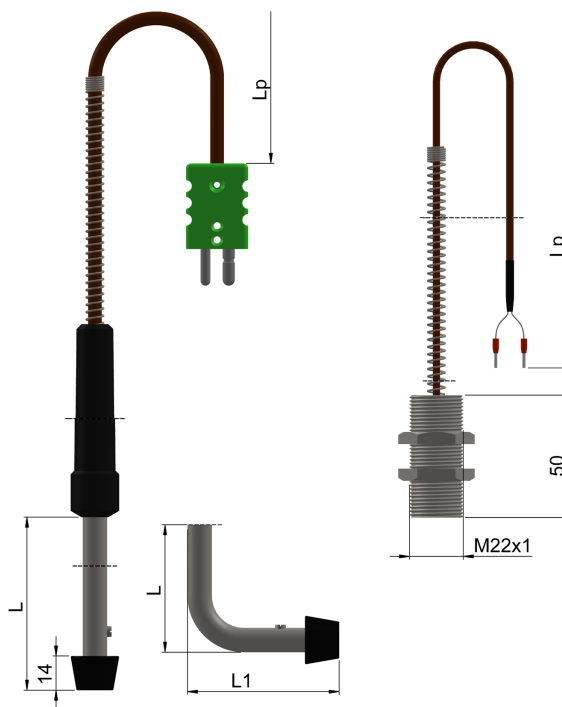


Temperature sensors for surface measurement PTR-24, PTR-25

Technical description

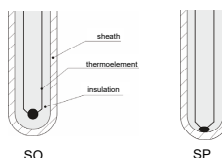
Measuring range / sensing element		
(-40 + 500) °C	K	class 2
Sheath		
- material: steel 1.4541		
- diameter [mm]:	ø15	for PTR-24
	M22x1	for PTR-25
- length [mm]:	100+1000	for PTR-24
	50	for PTR-25
- plastic handle, max. working temperature 80 °C - PTR-24		
Lead wire		
- for PTR-24 wire: 2x0,22 mm ² in double silicon insulation with mini plug		
- for PTR-25 wire: 2x0,22 mm ² in double fiberglass insulation with metal braid		
- length L _p =1,5m (standard)		
Options		
- for PTR-24 angular version 90°, L ₁ [mm]: 50+100		



Tolerance for thermocouples class acc to. PN-EN 60584

Thermocouple	Class 1		Class 2	
	Range [°C]	Tolerance [°C]	Range [°C]	Tolerance [°C]
J Fe-CuNi	(-40+375) (375+750)	±1,5 ±0,004 t	(-40+333) (333+750)	±2,5 ±0,0075 t
K NiCr-NiAl	(-40+375) (375+1000)	±1,5 ±0,004 t	from (-40+333) (333+1200)	±2,5 ±0,0075 t

Types of measuring hot junction



Ordering code

Temperature sensor	PTR-2	...	-	...	-	...
Design: with handle			4			
Design: with lead wire			5			
Straight probe length L [mm]						100*
Angular probe length LxL ₁ [mm]						200x50*
Cable length L _p [m]						1,5m*

* or others acc. to requirements

Ordering example

PTR-24-300-1,5m sensor with thermocouple NiCr-NiAl, class 2, lead wire length L_p=1,5m with handle and mini plug

PTR-25-2m sensor with thermocouple NiCr-NiAl, class 2, lead wire length L_p = 2m