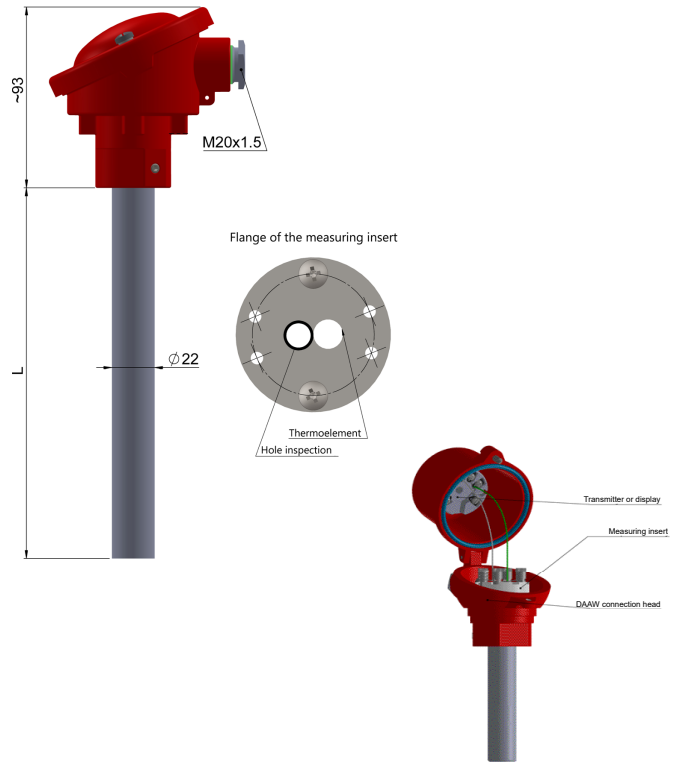


Temperature sensors with replaceable measuring inserts PTTJUO-15, PTTKUO-15, PTTNUO-15

Technical description

Measuring range* / sensing element		
(-40 ÷ 750) °C	J	class 2
(-40 ÷ 1200) °C	K, N	class 2
Measuring insert		
– mineral insulated: 1 or 2xJ, K, N; ø6 mm		
– with control hole ø4 mm		
– insert length: $L_{in} = L + 42$ mm		
Sheath		
– material: steel 1.4841, max. temperature 1150 °C*		
– material: steel 1.4762, max. temperature 1150 °C*		
– material: steel 15Cr25T, max. temperature 1100 °C*		
– length L [mm]: 300+3000		
Connection head		
– AA, IP53, (-40 ÷ 100) °C		
– DAAW, IP65, (-40 ÷ 100) °C (for transmitter)		
Options		
– thermocouple J, K, N: class 1		
Additional accessories		
– temperature transmitters – p. 225+241		
– compensation cables – p. 197		
– mounting brackets – p. 216		

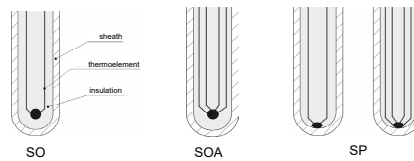
* applies to clean air



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	...	PT	...	UO-15	-	...	-	...	-	...	-	...
Single		no sign										
Double		2										
With transmitter (only one circuit)		AP or AP2										
Thermocouple Fe-CuNi		TJ										
Thermocouple NiCr-NiAl		TK										
Thermocouple NiCrSi-NiSi		TN										
Sheath length L [mm]										500*		
Thermocouple class												1, 2
Material of the sheath												1.4841, 1.4762, 15Cr25T
Type of transmitter												Tx*
Setting of transmitter temperature												(0 ÷ 400) °C*

* or others acc. to requirements

Ordering example

PTTKUO-15-500-1-1.4762