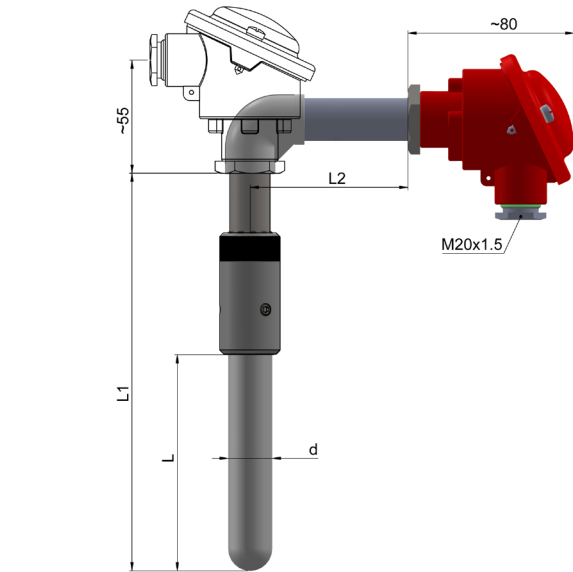


Temperature sensors for liquid metals and liquid metal alloys **PTTJC-37, PTTKC-37, PTTNC-37**

Technical description

Measuring range / sensing element			
(0 ÷ 700) °C	J	class 2	
(0 ÷ 1200) °C	K, N	class 2	
Thermowell			
– ceramics: SINITEC, special high resistance to mechanical damage and thermal shock			
– fitting assembly and extension pipe: steel 1.4541			
length L ₂ [mm]: 100÷1000			
– length L ₁ [mm]: min. (L+60 mm), standard (L+150 mm)			
– ceramic thermowell dimensions acc. to table:			
Ceramic types and designation	d	L _{max} [mm]	Remarks**
SINITEC SN	16	260, 360, 460, 560	1400 °C
SINITEC SN	22	360, 560, 760, 860	1400 °C
Connection head			
– BA, IP54, (-40 ÷ 100) °C			
Options			
– thermocouple J, K: class 1			
– straight version with thermocouples R, S, B			
Additional accessories			
– temperature transmitters – p. 225÷241			
– compensation cables – p. 197			

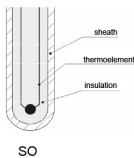
** max. air use temperature



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, Na 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											
Single	no sign	TT	C-37	...	...	...	...	...	...	...	...
Double	2										
With transmitter	AP										
Thermocouple Fe-CuNi		J									
Thermocouple NiCr-NiAl		K									
Thermocouple NiCrSi-NiSi		N									
Construction version: straight			P								
angular			K								
Material of the sheath: SINITEC ø16			SN16								
Material of the sheath: SINITEC ø22			SN22								
Immersion length L/L ₁ [mm]			560/650*								
Extension length L ₂ [mm]				500*							
Thermocouple class								1, 2			
Type of transmitter									LTT01*		
Setting of transmitter temperature										(0 ÷ 400) °C*	

* or others acc. to requirements

Ordering example

PTTKC-37-K-SN22-560/650-200-2