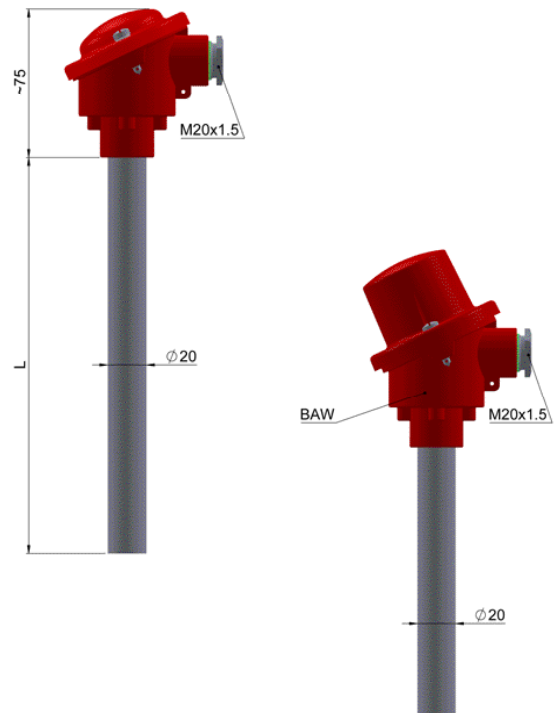


Temperature sensors with replaceable measuring inserts TTKU-1, TTJU-1

Technical description

Measuring range* / sensing element		
(-40 ÷ 750) °C	J	class 2
(-40 ÷ 1200) °C	K	class 2
Measuring insert		
– thermoelectric wire insert WDJ/12, WDK/12		
– insert length: $L_w = L + 20$ mm		
Sheath		
– material: steel 1.4841, max. temperature 1150 °C		
– material: steel 15Cr25T, max. temperature 1100 °C		
– length L [mm]: 300+3000		
Connection head		
– BA, IP54, (-40 ÷ 100) °C		
– BAW, IP54, (-40 ÷ 100) °C (for transmitter)		
Options		
– thermocouple J, K: class 1		
Additional accessories		
– temperature transmitters – p. 225+241		
– compensation cables – p. 197		
– mounting bracket: UG1-20 – p. 215		

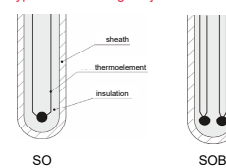
* applies to clean air



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	...	TT	...	U-1
Single		no sign								
Double		2								
With transmitter (only one circuit)		AP or AP2								
Thermocouple Fe-CuNi		J								
Thermocouple NiCr-NiAl		K								
Sheath length L [mm]				800*						
Thermocouple class							1, 2			
Material of the sheath							1.4841, 15Cr25T			
Type of transmitter										Tx*
Setting of transmitter temperature										(0 ÷ 400) °C*

* or others acc. to requirements

Ordering example

TTJU-1-500-1-15Cr25T