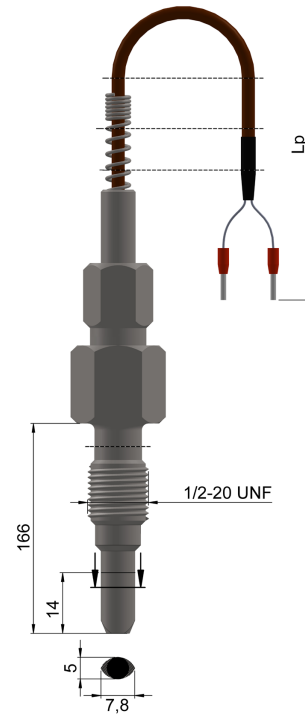


Temperature sensors of machinery and device parts **TTJE-621, TTKE-621**

Technical description

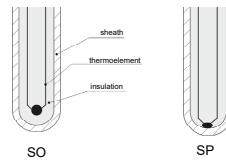
Measuring range / sensing element		
(-40 + 300) °C	J, K	class 2
Sheath		
– material: steel 1.4541 – oval tip: 5x7,8 mm – measuring length: 14 mm – rotary connector 1/2 - UNF – sheath construction designed to measure plastic mass temperature		
Lead wire		
– wire: 2x0,22 mm ² in double silicone insulation – measuring junction: isolated SO – length L _p = 2m (standard)		
Options		
– measuring junction: grounded SP – thermocouple J, K: class 1		



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	...	E-621	-	...	-	...
Thermocouple Fe-CuNi			J				
Thermocouple NiCr-NiAl			K				
Junction insulated from the sheath							SO
Junction grounded							SP
Cable length L _p [m]							2m*

* or others acc. to requirements

Ordering example

TTJE-621-SO-2m sensor with thermocouple Fe-CuNi, class 2, isolated junction, lead wire length L_p = 2m

TTKE-621-SP-3m sensor with thermocouple NiCr-NiAl, class 2, grounded junction, lead wire length L_p = 3m