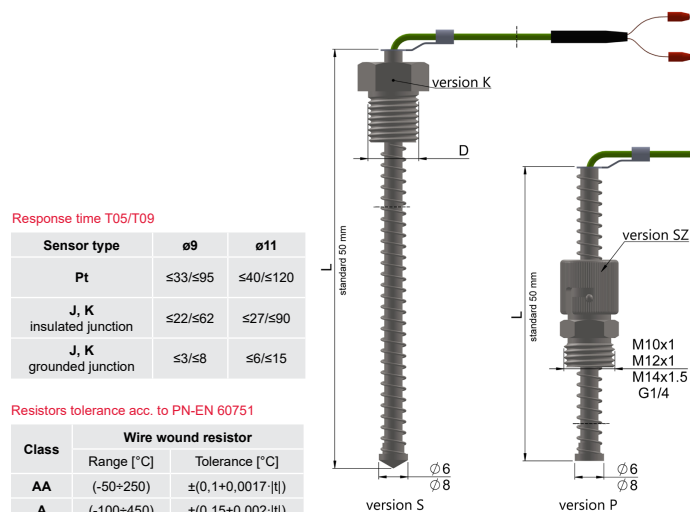


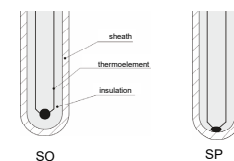
Temperature sensors of machinery and device parts TOPE-462, TTJE-462, TTKE-462

Technical description

Measuring range / sensing element		
(-50 ÷ 400) °C	Pt100	class B
(-40 ÷ 400) °C	J, K	class 2
Sheath		
– material: steel 1.4541		
– flat tip (P) or conical (S)		
– Quick disconnected (SZ) with thread (standard - M12x1)		
– connector (K) (standard - M12x1)		
– length L [mm]: 50÷150		
Lead wire		
– Cu wire or thermocouple wire: 2x0,22 mm ²		
– fiberglass insulation with metal braid		
– measuring junction for TC: insulated SO		
– length L _p =1,5m (standard)		
– wires resistance Cu ~0,14 Ω/m=~-0,36 °C		
Options		
– Pt500, Pt1000, Ni100, Ni1000		
– other lead wire insulation types: silicone, teflon, acc. to requirements		
– measuring junction for TC: grounded SP		
– 3-, 4-wire connection for RTD		
– Pt100: class A (-30 ÷ 300) °C, class AA (0 ÷ 150) °C; TC: class 1		



Types of measuring hot junction



Ordering code

Temperature sensor	T	...	E-462
Resistor Pt	OP									
Thermocouple Fe-CuNi	TJ									
Thermocouple NiCr-NiAl	TK									
Tip: flat			P							
Tip: conical			S							
Sheath length L [mm]				30*						
Tip dimension d [mm]					6, 8					
With quick disconnected / Thread dimension D [mm]						SZ/M14x1,5*				
With connector / Thread dimension D [mm]							K/G¼*			
Resistor type								Pt100*		
Junction insulated from the sheath	for							SO		
Junction grounded	TC							SP		
Resistor class									A, B*	
Thermocouple class									1, 2	
Measuring circuit for RTD										2, 3, 4
Cable length L _p										2m*

* or others acc. to requirements

Ordering example

TOPE-462P-40-8-SZ/M14x1,5-Pt100-A-3-Si-1,5m sensor with Pt100, class A, 3-wire connection, with cable in silicone insulation, lead wire length L_p=1,5m, sheath length L=40 mm, with tip diameter ø8 mm, quick disconnected with thread M14x1,5