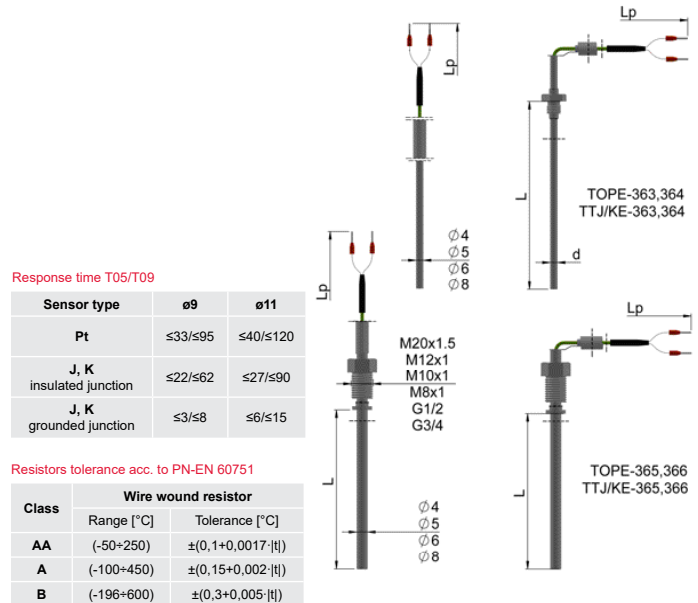


Temperature sensors of machinery and device parts **TOPE-363, 364, 365, 366,**
TT(J/K)E-363, 364, 365, 366

Technical description

Measuring range / sensing element		
(-50 ÷ 400) °C	Pt100	class B
(-40 ÷ 400) °C	J, K	class 2
Sheath		
– material: steel 1.4541		
– length L [mm]: 50÷1000		
Thread dimension	Max. Thermowell diameter	
	TOPE 363, 364	TOPE 365, 366
M8x1	5	4
M10; M10x1; G½	6	5
M12; M12x1,5; M12x1	8	6
G¼; M14x1,5	9	8
G¾; M16x1,5	10	9
G½; M20x1,5	14	12
Lead wire		
– Cu wire or thermocouple wire: 2x0,22 mm ²		
– fiberglass insulation with metal braid		
– length L _p =1,5m (standard)		
– measuring junction for TC: insulated SO		
– wires resistance Cu ~0,14 Ω/m≈0,36 °C		
Options		
– Pt500, Pt1000, Ni100, Ni1000		
– other cable insulations acc. to requirements:		
silicone insulation: operating temperature up to 180 °C		
teflon insulation: operating temperature up to 200 °C		
PVC insulation, operating temperature up to 100 °C		
– 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		
– other threads (inch and metric) acc. to requirements		



Ordering code

Temperature sensor	T	...	E-36	...	...	...	...	...	...	...	...	...	...
Resistor Pt	OP												
Thermocouple Fe-CuNi	TJ												
Thermocouple NiCr-NiAl	TK												
Welded connector: straight version				3									
Welded connector: angular version				4									
Rotary connector: straight version				5									
Rotary connector: angular version				6									
Sheath length L [mm]					50*								
Thermowell diameter d [mm]						4, 5, 6, 8							
Thread dimension							G½; M8x1*						
Cable insulation: silicone												Si	
Cable insulation: braided fiberglass												Ws	
Cable insulation: teflon												F	
Resistor type													Pt100*
Junction insulated from the sheath		dla											SO
Junction grounded		TC											SP
Resistor class													A, B*
Thermocouple class													1, 2
Measuring circuit for RTD													2, 3, 4
Cable length L _p [m]													1,5m*

* or others acc. to requirements

Ordering example

TOPE-363-100-4-M8x1-Si-Pt100-B-2-2m sensor with Pt100, class B, sheath diameter ø4 mm, sensor length L=100 mm, lead wire in silicone insulation, lead wire length L_p = 2m, with a welded threaded connector M8x1