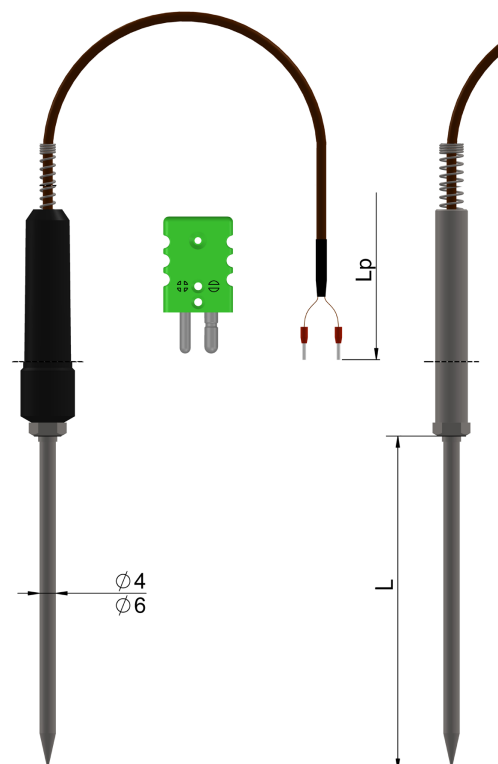


Temperature sensors for food industry TOPE-413

Technical description

Measuring range / sensing element		
(-50 ÷ 200) °C	Pt100	class B
Thermowell		
– material: steel 1.4541 – the pointed tip makes it easier to penetrate loose materials and plastics – sheath length L [mm]: 50+1000 (standard 100 mm)		
Construction version		
– handle material: steel or teflon – for use in the food industry – PZH approval		
Wire		
– Cu wire: 2, 4x0,22 mm ² in double silicone insulation – length L _p =1,5m (standard)		
Options		
– Pt500, Pt1000, Ni100, Ni1000 – Pt100: class A (-30 ÷ 200) °C, class AA (0 ÷ 150) °C – other lead wire insulation types: PVC, teflon, armour		
Additional accessories		
– mini plug SMPW – p. 198+199		



Resistors tolerance acc. to PN-EN 60751

Class	Wire wound resistor	
	Range [°C]	Tolerance [°C]
AA	(-50+250)	±(0,1+0,0017· t)
A	(-100+450)	±(0,15+0,002· t)
B	(-196+600)	±(0,3+0,005· t)

Ordering code

Temperature sensor	TOPE-413	-	...	-	...	-	...	-	...	-	...	-	...	-	...
Metal handle	M														
Teflon handle	T														
Resistor type	Pt100*														
Thermowell diameter d [mm]					4, 6										
Sheath length L [mm]									230*						
Resistor class														A, B*	
Measuring circuit														2, 3, 4	
Cable length L _p [m]															1,5m*
Additional accessories: mini plug															W

* or others acc. to requirements

Ordering example

TOPE-413-M-Pt100-4-200-B-2-2m-W sensor with Pt100, class B, 2-wire connection connection, sheath diameter ø4 mm, sheath length L = 200 mm, metal handle, lead wire in silicone insulation with length L_p = 2m, with miniature plug