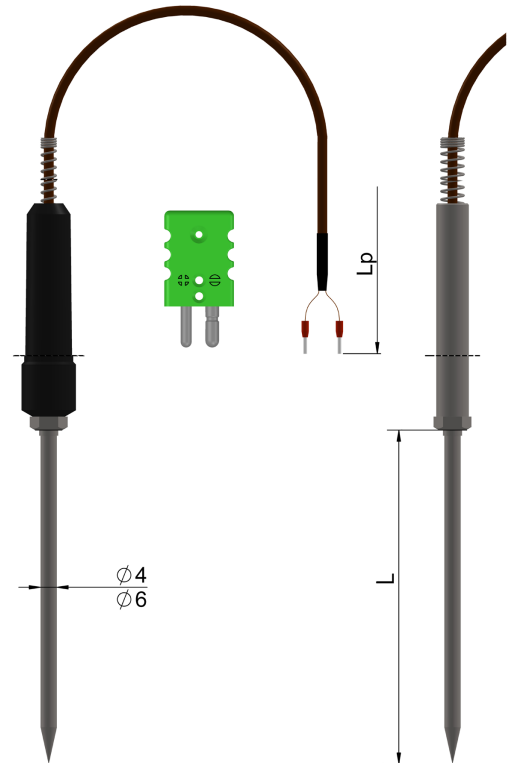


## Temperature sensors for food industry TOPE-413

### Technical description

Measuring range / sensing element		
(-50 ÷ 200) °C	<b>Pt100</b>	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 <sup>2</sup> in double silicone insulation – length L <sub>p</sub> =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]
<b>AA</b>	(-50+250)	±(0,1+0,0017· t )
<b>A</b>	(-100+450)	±(0,15+0,002· t )
<b>B</b>	(-196+600)	±(0,3+0,005· t )

### Ordering code

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

\* 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<sub>p</sub> = 2m, with miniature plug