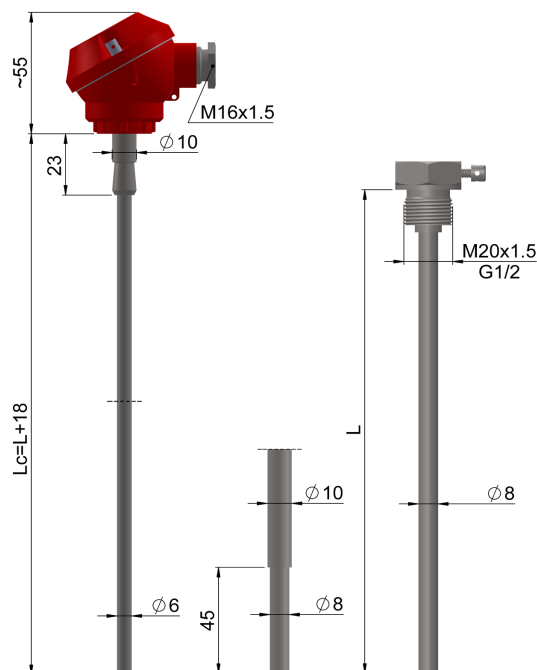


## Temperature sensors for heating systems and heat engineering TOP-226

### Technical description

Measuring range / sensing element		
(-50 ÷ 180) °C	<b>Pt100, Pt500, Pt1000</b>	class B
Osłony		
– material: steel 1.4541		
– sensor sheath: $\varnothing 6$ mm		
– process thermowell: straight $\varnothing 8$ mm for $L \leq 100$ mm graded $\varnothing 8/\varnothing 10$ mm for $L > 100$ mm		
– length L [mm]: 70÷700		
– minimum immersion depth: 70 mm		
Connection head		
– MA, IP54 (-40 ÷ 100) °C		
Options		
– Ni100, Ni1000		
– double measuring circuit, 2-wire connection connection		
– other inch and metric threads		
– Pt100: class A (-30 ÷ 180) °C, class AA (0 ÷ 150) °C		



Resistors tolerance acc. to PN-EN 60751

Response time T05/T09

Class	Wire wound resistor		Sensor type	$\varnothing 9$	$\varnothing 11$
	Range [°C]	Tolerance [°C]			
AA	(-50÷250)	$\pm(0,1+0,0017 \cdot  t )$	Pt	$\leq 33/\leq 95$	$\leq 40/\leq 120$
A	(-100÷450)	$\pm(0,15+0,002 \cdot  t )$			
B	(-196÷600)	$\pm(0,3+0,005 \cdot  t )$			

### Ordering code

Temperature sensor	TOP-226	-	...	-	...	-	...	-	...
Thermowell process length L [mm]	70÷700*								
Thread dimension	G½ ; M20x1,5*								
Resistor type	Pt100*								
Resistor class	A, B*								
Measuring circuit	2, 3, 4								

\* or others acc. to requirements

### Ordering example

**TOP-226-250-G½-Pt100-B-2** sensor with Pt100, class B, 2-wire connection connection, process thermowell length L=250 mm and threaded fastener G½

**TOP-226-550-M20x1,5-P500-B-2** sensor with Pt500, class B, 2-wire connection connectionprocess thermowell length L=550 mm and threaded fastener M20x1,5