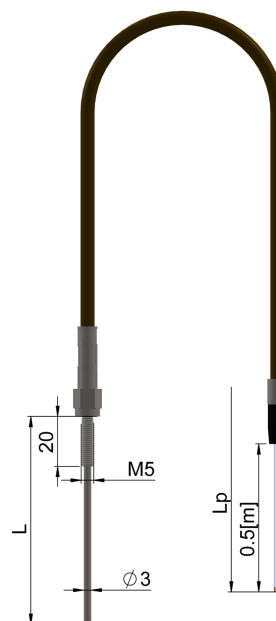


Temperature sensors for food industry **TOPA-1**

Technical description

Measuring range / sensing element		
(-50 + 150) °C	Pt100	class B
Thermowell		
– material: steel 1.4541		
– diameter [mm]: $\varnothing 3$		
– length L [mm]: 50 (standard)		
– thread M5		
Construction version		
– temperature measurement in autoclaves		
– PZH approval		
Wire		
– Cu wire: 3x0,22 mm ² in teflon insulated shield		
– length L _p = 3m (standard)		
Options		
– Pt1000, Ni100, Ni1000		
– Pt100: class A, class AA (0 + 150) °C		



Resistors tolerance acc. to PN-EN 60751

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

Response time T05/T09

Sensor type	$\varnothing 9$	$\varnothing 11$
Pt	$\leq 33/\leq 95$	$\leq 40/\leq 120$

Ordering code

Temperature sensor	TOPA-1 - ... - ... - ...
Sheath length L [mm]	50*
Resistor class	A, B*
Cable length L _p [m]	3m*

* or others acc. to requirements

Ordering example

TOPA-1-50-A-3m sensor with Pt100, class A, 3-wire connection, sheath length L = 50 mm, lead wire length L_p = 3m