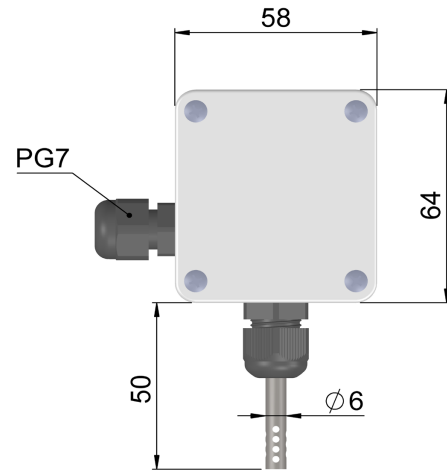


Temperature sensor for HVAC application **TOPO-831, TONO-831**

Dane techniczne

Measuring range / sensing element		
(-40 ÷ 85) °C	Pt100	class B
Thermowell		
– material: steel 1.4541		
– diameter [mm]: $\varnothing 6$		
– perforated sheath		
Housing		
– material: polycarbonate, IP67		
– max. of the environment humidity: 85% RH		
– mounting holes span: 57 mm		
Options		
– Pt500, Pt1000, Ni100, Ni1000		
– 2-, 3-, 4-wire connection		
– Pt100: class A or class AA		
Additional accessories		
– temperature transmitters – p. 225+241		



Response time T05/T09

Sensor type	$\varnothing 9$	$\varnothing 11$
Pt	$\leq 33/\leq 95$	$\leq 40/\leq 120$
J, K insulated junction	$\leq 22/\leq 62$	$\leq 27/\leq 90$
J, K grounded junction	$\leq 3/\leq 8$	$\leq 6/\leq 15$

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)	$\pm(0,3+0,005 \cdot t)$

Ordering code

Temperature sensor	...	TO	...	O-831	-
Without transmitter		no sign								
With transmitter		AP								
Resistor Pt			P							
Resistor Ni			N							
Resistor type				Pt100*						
Resistor class								A, B*		
Measuring circuit									2, 3, 4	
Type of transmitter										RT-01*
Setting of transmitter temperature										(0 ÷ 85) °C*

* or others acc. to requirements

Ordering example

TOPO-831-Pt100-B-2 sensor for indoor temperature measurement Pt100, class B, 2-wire connection connection

APTOPO-831-Pt100-A-3-HRF-(0 ÷ 50) °C sensor with Pt100, class A, with transmitter APAQ-HRF, (4 ÷ 20) mA, temperature range (0 ÷ 50) °C