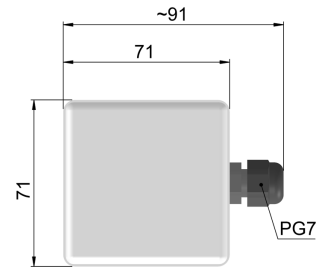


Temperature sensor for HVAC application **TOPO-833, TONO-833**

**Dane techniczne**

Measuring range / sensing element		
(-40 + 60) °C	<b>Pt100</b>	class B
Thermowell		
– none		
– uncovered measuring resistor inside perforated housing		
Housing		
– material: ABS, IP-20		
– environment humidity: max. 80% RH		
– mounting holes span: 48 mm		
Options		
– Pt500, Pt1000, Ni100, Ni1000		
– 2-, 3-, 4-wire connection		
– Pt100: class A or class AA		
– with the gland PG-7		



Response time T05/T09

Sensor type	ø9	ø11
Pt	≤33/≤95	≤40/≤120
J, K insulated junction	≤22/≤62	≤a27/≤90
J, K grounded junction	≤3/≤8	≤6/≤15

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	TO	...	O-833	-	...	...	...	...
Resistor Pt		<b>P</b>						
Resistor Ni		<b>N</b>						
Resistor type							<b>Pt100*</b>	
Resistor class							<b>A, B*</b>	
Measuring circuit for RTD							<b>2, 3, 4</b>	
With the gland								<b>P7</b>

\* or others acc. to requirements

**Ordering example**

**TOPO-833-Pt100-A-3** sensor with Pt100, class A, 3-wire connection, without the gland

**TOPO-833-Pt100-A-3-P7** sensor Pt100, class A, 3-wire connection, with the gland PG-7