

Temperature sensors of machinery and device parts TOPGSP-1, TONGSP-1

Technical description

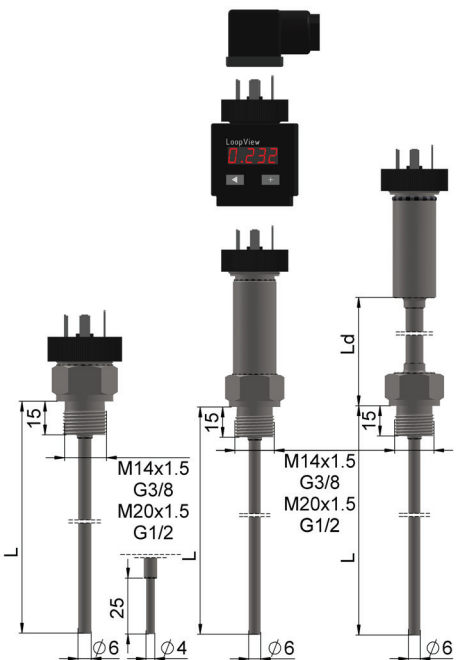
Measuring range / sensing element		
(-50 ÷ 150) °C	Pt100	class B
(-50 ÷ 150) °C	Ni100	
Sheath		
– material: steel 1.4541		
– length L [mm]: 50÷1000		
– straight sheath: ø6 mm (standard)		
– for transmitter with extension part L _d (standard 50 mm)		
Output connector type		
– plug GDM + socket GSP (IP65)		
– connector operating temperature: (-40 ÷ 100) °C		
Options		
– Pt500, Pt1000, Ni100, Ni1000		
– single measuring circuit, 3-, 4-wire connection		
– double measuring circuit, 2-wire connection connection		
– other sheath diameters acc. to requirements		
– sheath constricted ø6/ø4 mm		
– other threads (inch and metric) acc. to requirements		
– Pt100: class A (-30 ÷ 150) °C, class AA (0 ÷ 150) °C		
Additional accessories		
– APW - sensor with LoopView display		
– temperature transmitter (4 ÷ 20) mA, RT-02 - configurable (only single sensor)		

Response time T05/T09

Sensor type	ø6
Pt	≤33/≤95

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|)



MEASUREMENT OF MACHINERY AND DEVICE PARTS

FE

Ordering code

Temperature sensor	...	T	...	GSP-1	...	...	...	...	...	...	...	...	...	...	...
Single		no sign													
Single with transmitter		AP													
With local LoopView display		APW													
Double		2													
Resistor Pt			OP												
Resistor Ni			ON												
Sheath length L [mm]															230*
For the AP version with a distance, the length L _d [mm]															50*
Tip diameter [mm]															6, 4
Thread dimension															G½; M20x1,5*
Resistor type															Pt100*
Accuracy class															A, B*
Measuring circuit															2, 3, 4
Type of transmitter															RT-02*
Setting of transmitter temperature															(0 ÷ 200) °C*

* or others acc. to requirements

Ordering example

2TOPGSP-1-200-6/4-M20x1,5-Pt100-B-2