ELECTRONICS
REGULATION
MEASUREMENT
AUTOMATION

INSTRUCTIONS

Thermometer with compression fittings

TH

ORDER NUMBERS
- TH21.2x.xx

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Basic characteristics:

- Operating temperature Up to 400 °C
- Connection head Type B
- Dimensions 160 - 520 mm

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1 DESCRIPTION

Screw-inthermometers type TH have a basic purpose of measuring gas temperature and liquid. The most common applications are: temperature measurement in pipelines that are under pressure or vacuum. Due to its design it is possible to replace the measuring the cartridge with converter, and it does not come to the opening of pipelines and leaks media. Process connection is performed with hermeto compound that glides along the tube of thermometer and it is possible to change the length of the measurement system as needed. This function is suitable for systems maintenance thus gaining a thermometer which can replace many types of thermometers regardless of the length of the measuring part, because the length of the measuring section is adjustable.
It's possible to install a double measuring element and installation of transmitter 4-20 mA in the thermometer head. Built-in Pt100 temperature sensor is according to DIN EN 60751.

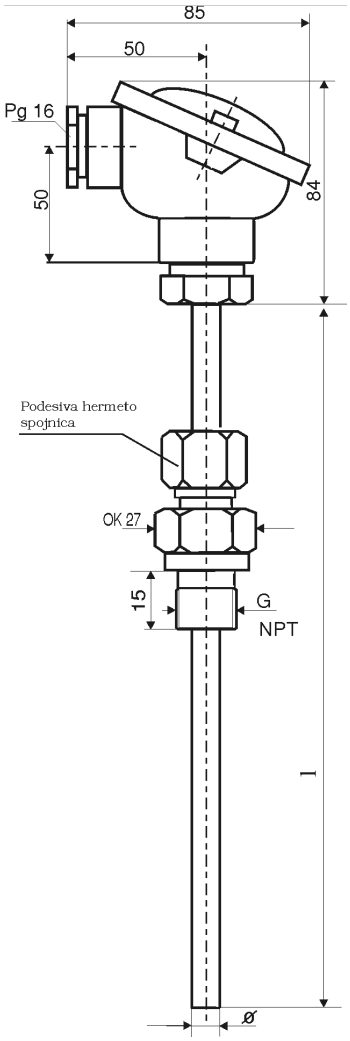
2 TECHNICAL DATA

Connection head	Tip B	
Measuring element	Pt 100	Pt 100 x 2
Sheath tube	Stainless steel	
	W.Nr.1.4301	∅ 3, 6, 10 mm
Operating temperature	To 400 °C	
Standard lenghts [L]	L = 160 mm	
	L = 220 mm	
	L = 280 mm	
	L = 320 mm	
	L = 370 mm	
	L = 520 mm	
Method of installation	Adjustable compression fitting G 1/2" (G 1" i NPT 1/2" supplied on request)	

3 ORDER NUMBERS

Thermometers with compression fittings	TH	x	x	x	x	x	x
Connection head	Tip B	2					
Type of sensor	Pt 100		1				
Operating temperature	400 °C			2			
Sheath type	Inkonel ∅ 3				1		
	W.Nr.1.4301 ∅ 6				2		
	W.Nr.1.4301 ∅ 10				4		
Length measurement part (L)	150 mm					1	
	300 mm					2	
	500 mm					3	
Number of thermoelements	Single						1
	Dual						2

4 DIMENSIONS



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