



## RESISTANCE THERMOMETER Pt100 with flange Type TOP-PF-194

Multipoint resistance thermometer type TOP-PF-194 with flanged connection is designed for measurement of temperature distribution in containers and columns in the temp. range from  $-40^{\circ}\text{C}$  to  $+600^{\circ}\text{C}$ . The measurement is done by several resistors situated in different positions.

Model	Execution	Length L
PS	With replaceable insert	As requested
PS/Exi	Intrinsic safe with replaceable insert	As requested

### THERMOMETER SPECIFICATION

Temperature resistor	Version	Measuring range	Characteristic	Accuracy class	Maximum sensor current	Lead wire configuration
Pt100	standard shockproof	from $-40^{\circ}\text{C}$ to $+600^{\circ}\text{C}$	acc. PN EN-60751	B	8 mA	2 wire
				A	5 mA	3, 4 wire

Flange
As per client request

### Connection head

Type	Max. operating temp.	Material
Standard	$+100^{\circ}\text{C}$	Al, poliester
With silicone gasket	$+150^{\circ}\text{C}$	Al

Transmitter
As per client request

**NOTE: Non-standard models available.**

## Ordering Information

TOP-PF-194 - A - B - C - D - E - F - G - H - I - K - L - M

<b>A. Execution</b>		<b>A</b>
	With replaceable insert	PS
	Intrinsic safe with replaceable insert	PS/Exi
<b>B. Amount of resistors</b>		<b>B</b>
	Two	2xPt100
	Three	3xPt100
	Other amount - n	nxPt100
<b>C. Class</b>		<b>C</b>
	B	B
	A	A
	1/3 B DIN	1/3 B DIN
<b>D. Cable configuration</b>		<b>D</b>
	2 - wire	2p
	3 - wire	3p
	4 - wire	4p
<b>E. Sensor mantle diameter</b>		<b>E</b>
	Ø 4 mm	4
	Ø 6 mm	6
	Ø 8 mm	8
<b>F. Protection tube diameter</b>		<b>F</b>
	Ø 12x1,5 mm	12
	Ø 13,5x2,3 mm	13,5
	Ø 13,7x2,3 mm	13,7
	Ø 15x3 mm	15
	Ø 22 mm	22
	Other	Specify in mm
<b>G. Immersion lengths</b>		<b>G</b>
	L1/L2/L3 ... /Ln	Specify in mm
<b>H. Protection tube and flange material</b>		<b>H</b>
	1.4571	1.4571
	1.7335	1.7335
	Hastelloy C22	C22
	Other	Specify type
<b>I. Flange</b>		<b>I</b>
	Type	Specify type
<b>K. Connection head</b>		<b>K</b>
	Operating temp. up to +100°C	N1
	Operating temp. up to +150°C	N2
<b>L. Operating temperature</b>		<b>L</b>
	T	Specify in °C
<b>M. Transmitter</b>		<b>M</b>
		Specify type and temp. range in °C

## Ordering Example

TOP-PF-194-PS-3xPt100-B-2p-6-15-250/300/500-1.4571-DN25 PN40-N1-400

stands for : **Multipoint thermometer, with replaceable insert, with three resistors class B, 2-wire configuration, mantle diameter  $\phi$  6 mm, protection tube 15x3, tube length 250mm, material 1.4571, flange DN25PN40, connection head type NA for operating temp. up to 100°C, sensor operating temperature 400°C, without transmitter.**