

Snímač je vhodný na meranie teploty najmä v peciach na tepelné spracovanie, v kotolniciach atď. Tento snímač má keramickú ochrannú trubicu.

Špecifikácia:

Merací rozsah/typ snímača:

- 40 až 1200°C K - class 2
- 0 až 1600°C S, R - class 2
- 600 až 1800°C B - class 3

Materiál jímky:

- materiál kovovej časti: steel 1.4841, $\varnothing 22 - 32\text{mm}$, Ld min.: 150
- materiál keramickej časti: mullite 610 alebo corundum 799, $\varnothing 15\text{mm}$ a $\varnothing 24\text{mm}$
- dĺžka L [mm]: 300 až 2000

Hlavica

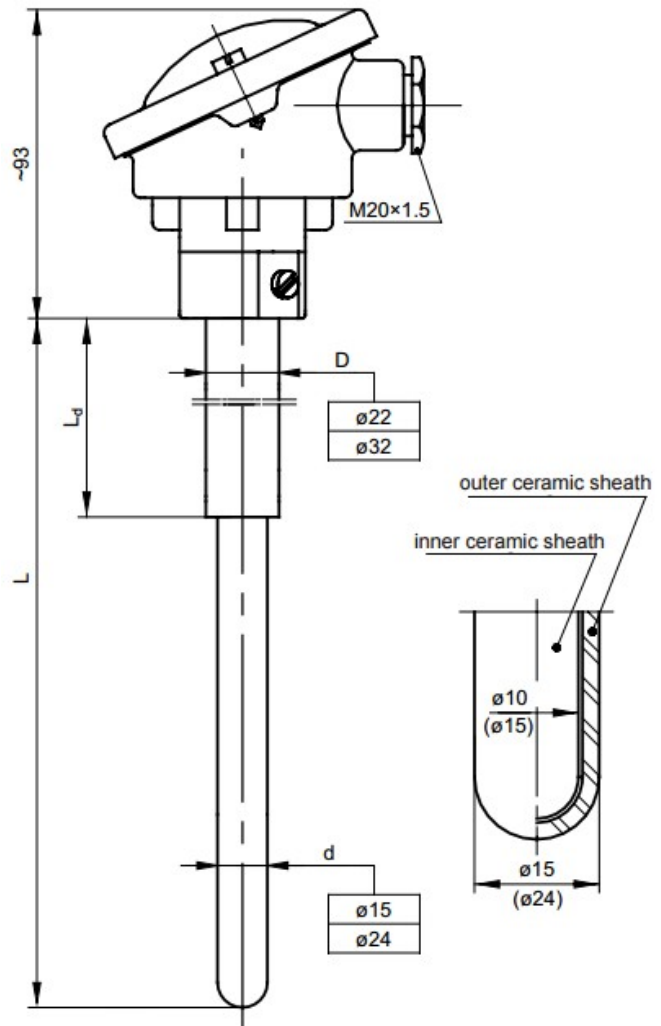
- typ AA, krytie IP53, -40 až +100°C

Priemer drôtu termočlánku:

- $\varnothing 2\text{mm}$ pre tcK
- $\varnothing 0,35\text{mm}$ alebo $\varnothing 0,5$ pre tcR, tcS, tcB

Možnosti:

- lokálny displej v hlavici na zobrazenie teploty DANWwin
- zmena typu hlavice
- trieda presnosti snímačov: Tc: class 1
- prevodník teploty do hlavice 4-20 mA alebo 0-10V



Holding tube diameter [mm]	Outer sheath diameter [mm]	Inner sheath diameter [mm]
32	24	15
22	15	10

Tolerancia pre termočlánky (podľa normy EN60584):

Class 1

Typ termočlánku	Merací rozsah:	Tolerancia:
R PtRh13-Pt S PtRh10-Pt	od 0 do +1100 od +1100 do +1600	± 1 $\pm(1 + 0,003$ ($ t - 1100$))
K - NiCr-NiAl	od -40 do +375 od +375 do +1000	$\pm 1,5$ $\pm 0,004 t $
B PtRh30-PtRh6	-	-

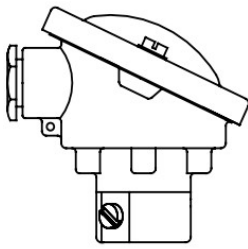
Class 2

Typ termočlánku	Merací rozsah:	Tolerancia:
R PtRh13-Pt S PtRh10-Pt	od 0 do +600 od +600 do +1600	$\pm 1,5$ $\pm 0,0025 t $
K - NiCr-NiAl	od -40 do +333 od +333 do +1200	$\pm 2,5$ $\pm 0,0075 t $
B PtRh30-PtRh6	od +600 do +1700	$\pm 0,0025 t $

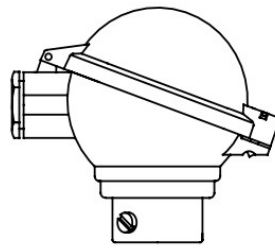
Typy hlavíc:

Connection head type AA in standard.

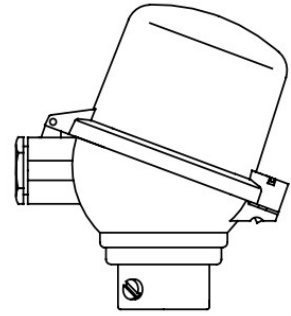
Possibility to mount the connection head of different type.



AA



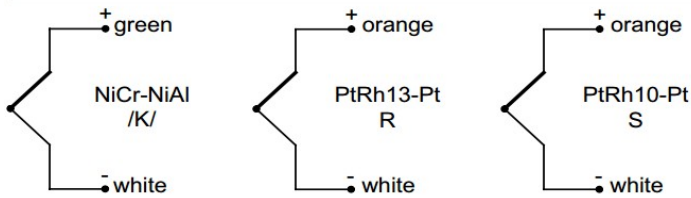
DA



DAW

Schémy zapojenia snímačov:

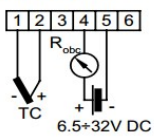
TC (thermocouple)



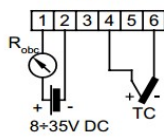
In double sensors one of thermocouples is additionally marked out.

Schémy zapojenia prevodníkov:

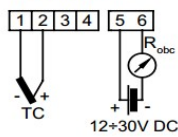
APAQ-HCF



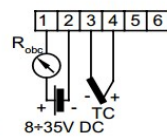
LTT-01



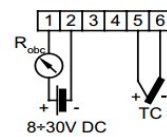
TxIsoPack
TxBlock



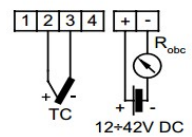
FLEX TOP 2203



FLEX TOP 2211

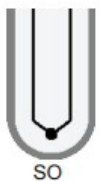


ROSEMOUNT 248H
ROSEMOUNT 248R



Možnosti „horúceho konca“ pre termočlánky:

Thermocouple hot junction
types



SO



SOB

Max. pracovné teploty pre keramickú ochrannú rúrku:

Sheat material	Wire diameter [mm]	Thermocouple type	Max. operating temperature [°C]
mullite 610	0,35	R, S	1200
mullite 610	0,5	R, S	1400
corundum 799	0,35	R, S	1500
corundum 799	0,5	R, S	1600
corundum 799	0,35	B	1600
corundum 799	0,5	B	1800
mullite 610	2	K	1200

Product code

Sensor version	
no designation	single
2	double
AP	with transmitter
1	<input type="checkbox"/>
Sensing element	
B	thermocouple PtRh30-PtRh6
S	thermocouple PtRh10-Pt
R	thermocouple PtRh13-Pt
K	thermocouple NiCr-NiAl
2	<input type="checkbox"/>
Ceramic sheat material	
610	mullit 610
799	korund 799
3	<input type="checkbox"/>
Outer sheath diameter	
15	ø15mm
24	ø24mm
4	<input type="checkbox"/>
Thermowell length	
500	500mm
710	710mm
1000	1000mm
1400	1400mm
2000	2000mm
5	<input type="checkbox"/>
	other parameters acc. to requirements
Accuracy	
1 or 2	for thermocouple (K, S, R)
2 lub 3	for thermocouple (B)
6	<input type="checkbox"/>
Platinum wire diameter	
0,35	ø0,35mm
0,5	ø0,5mm
7	<input type="checkbox"/>
Transmitter type (optionally)	
Tx	head mounted transmitter TxBlock
	other parameters acc. to requirements
8	<input type="checkbox"/>
Temperature range of transmitter	
(0÷1200°C)	transmitter configured for temperature range 0÷1200°C
	other parameters acc. to requirements
9	<input type="checkbox"/>

1 2 3 4 5 6 7 8 9
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