

TOP-Exd-PKGz-240

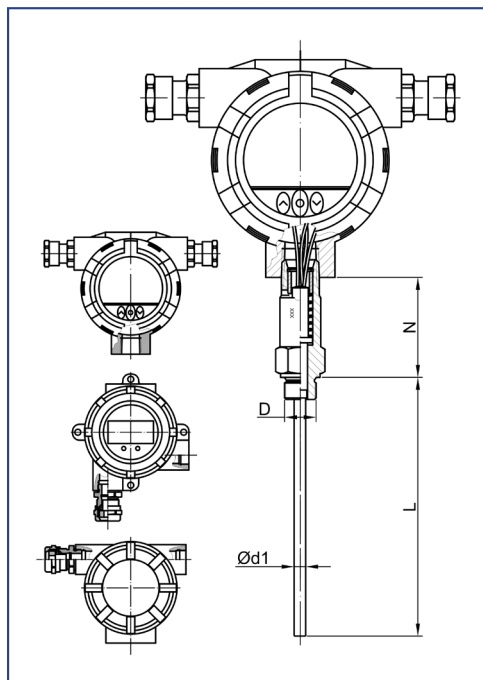
Resistance Thermometer Pt100 with adapter Flame-proof acc. to ATEX for mounting into existing thermowell

Resistance thermometer type TOP-Exd-PKGz-240  signed II 2 G Ex db IIC T* Gb has been designed for temperature measurement in explosion zone 1 or 2 of gases area and can work with non-intrinsic safe wire configuration.

Resistance thermometer type TOP-Exd-PKGz-240  signed II 1/2 D Ex ta IIIC T*°C Da/Db for use in dust area with non-intrinsic safe wire configuration.

Thermometer is dedicated for mounting into existing thermowell in the installation.

Flameproof connection head type Field Mount according to customer's specification.



Technical specification

RTD type	Version	Characteristic	Measuring range (standard/*shockproof)	Accuracy class	Max. sensor current	Lead wire configuration
1xPt100, 1xPt500, 1xPt1000 / 2xPt100, 2xPt500, 2xPt1000	standard / *shockproof	acc. EN-60751	-200°C...+600°C / *(-70°C...+500°C) -100°C...+450°C / *(-50°C...+300°C) -50°C...+250°C / *(0°C...+150°C)	B A 1/3B (AA)	8 mA 5 mA 3 mA	2, 3, 4 wire 3, 4 wire

Sheathed insert diameter d _i [mm]	Length L [mm]	Process connection thread D
ø 3 ø 4.5. ø 6, ø 8	on request (max L up to 20000 mm)	on request (e.g. M14x1,5; M16x1,5; M20x1,5; M24x1,5; M27x2; G1/2"; G3/4"; G1"; 1/2"NPT; 3/4"NPT; 1"NPT)

Connection head	Cable gland thread	Purpose	Transmitter
Connection head type Field Mount	Typ 501/421	for basic cables	according to connection head type
	Typ 501/453	for armored cable	

Non-standard models available.

Ordering Information

TOP-Exd-PKGz-240	A	B	C	D	E	F	G	H	I	J	K	L	M
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A Resistor	
1xPt100	Single Pt100
2xPt100	Double Pt100
1xPt500	Single Pt500
2xPt500	Double Pt500
1xPt1000	Single Pt1000
2xPt1000	Double Pt1000

B Class	
B	B
A	A
1/3B	1/3B DIN (AA)

C Lead wire configuration	
2p	2-wire
3p	3-wire
4p	4-wire

D Sheathed insert diameter d_i	
3	$d_i = 3 \text{ mm}$
4.5	$d_i = 4,5 \text{ mm}$
6	$d_i = 6 \text{ mm}$
8	$d_i = 8 \text{ mm}$

E Immersion length L	
	specify in [mm] (max L up to 20000 mm)

F Adapter length N	
	specify in [mm] (84 ÷ 200 mm)

G Adapter material	
1.4571	1.4571 / 316Ti
1.4404	1.4404 / 316L
1.4841	1.4841 / 314
2.4602	2.4602 / Hastelloy C22

H Process connection thread D	
	specify type of thread

I Connection head	
	specify head type

J Cable gland (flameproof)	
1x 501/421	1x type 501/421
2x 501/421	2x type 501/421
1x 501/453	1x type 501/453
2x 501/453	2x type 501/453

K Operating temperature	
	specify in °C

L Transmitter	
	specify type and temp. range in °C

M Explosion Zone	
Zone 1	Non-intrinsic safe circuit
Zone 20/21	Non-intrinsic safe circuit

Ordering Example

TOP-Exd-PKGz-240-1xPt100-A-3p-6-1500-145-1.4571-M20x1,5-YTA610-JA1ADN-1x501/421-100°C-YTA610-Strefa 1

stands for: Resistance thermometer, flame-proof, with single resistor class. A, configuration 3-wire, sheath diameter $\varnothing 6 \text{ mm}$, length L=1500mm, adapter length N=145mm, material 1.4571, thread M20x1,5, connection head type YTA610-JA1ADN, cable insert 1x type 501/421, operating temp up to 100°C, transmitter YTA610, explosion zone 1.