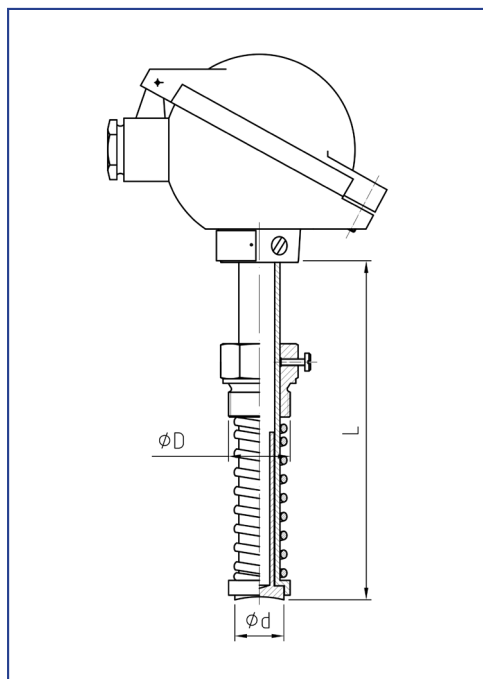


TOP-PKG-141

Resistance Thermometer Pt100 for bearings



Resistance thermometer for bearings type TOP-PKG-141 is for precise temperature measurement of cylinder part – particularly bearings tracks

Resistor is placed in the measuring ending, which is tightened to bearing track, what allows precise temperature measurement in the range of -50°C to +250°C.

Immersion length of measuring ending is adjustable.

Type	Execution
TOP-PKG-141	Basic - acc to catalog card
TOP-PKG-141/Exi	Intrinsic safe – acc to Atex

Technical specification

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

Measuring ending diameter d [mm]	Measuring ending radius	Length L	Material acc. DIN/AISI	Process connection thread D
ø 20	radius adjusted to bearing race	adjusted up to 85 mm	1.4571 / 316Ti	on request (e.g. M24x1,5, M27x2, G1")

Connection head	Transmitter
on request (e.g. NA, DAN, DANAW)	on request

Non-standard models available.

Ordering Information

TOP-PKG-141	A	B	C	D	E	F	G	H	I	J
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A Execution	
-	Basic
/Exi	Intrinsic safe

B Resistor	
1xPt100	Single Pt100
2xPt100	Double Pt100

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

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

E Process connection thread D	
	specify type of thread

F Protection tube length L	
	specify in [mm]

G Connection head	
	specify head type

H Operating temperature	
	specify in °C

I Transmitter	
	specify type and temp. range in °C

J Version	
Z	Standard (ceramic wire wound element)
W	Shockproof (thin-film element)

Ordering Example

TOP-PKG-141-1xPt100-A-3p-M24x1,5-80-NA-Z

stands for: Resistance thermometer, basic execution, with single resistor 1xPt100 class A, configuration 3-wire, thread M24x1,5, length L=80 mm, connection head type NA, standard sensor version (ceramic wire wound element).