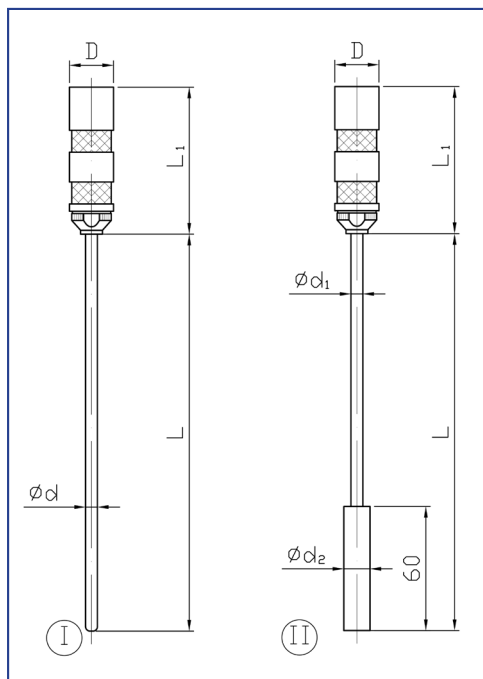


TOP-WTW-92

Resistance Thermometer Pt100 with LEMO connector



Resistance thermometer with LEMO connection type TOP-WTW-92 has been designed for temperature measurement in various environments, both in industry and laboratory.

LEMO connection is fixed on the thermometer protection tube and allows connection to cable.

Type	Execution	Version
TOP-WTW-92	Basic - acc to catalog card	I or II
TOP-WTW-92/Exi	Intrinsic safe – acc to Atex	II

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	

Protection tube Model	Protect. tube diam. d	Material acc. DIN/AISI	Length L [mm]
I	Ø3, Ø3.5, Ø4, Ø5, Ø6	1.4571/316Ti	on request
II	Ø4/3, Ø6/5, Ø8/6		

Connector Type	Series
LEMO (socket)	0S, 1S, 2S (more info at www.lemo.com)

Non-standard models available.

Ordering Information

TOP-WTW-92	A	B	C	D	E	F	G	H	I	J
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A Execution	
I	With basic protection tube
II	With protection tube with sleeve
I/Exi	Intrinsic safe with basic protection tube
II/Exi	Intrinsic safe with protect. tube with sleeve

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 Protection tube diameter d , d ₂ /d ₁	
3	d= 3 mm
3,5	d= 3,5 mm
4	d= 4 mm
5	d= 5 mm
6	d= 6 mm
4/3	d ₂ = 4 mm , d ₁ =3 mm
6/5	d ₂ = 6 mm , d ₁ =5 mm
8/6	d ₂ = 8 mm , d ₁ =6 mm

F Protection tube length L	
	specify in mm

G LEMO Connector (socket)	
0S	serie 0S
1S	serie 1S
2S	serie 2S

H LEMO Plug included	
Y	plug included
N	plug not included

I Operating temperature	
	specify in °C

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

Ordering Example

TOP-WTW-92-I-1xPt100-B-2p-4-150-1S-N-Z

stands for: Resistance thermometer with basic protection tube, with resistor 1 x Pt100 class B, configuration 2-wire, protection tube diameter ø4 mm, length 150 mm, connection socket LEMO 1S, LEMO plug not included, standard sensor version (ceramic wire wound element).