

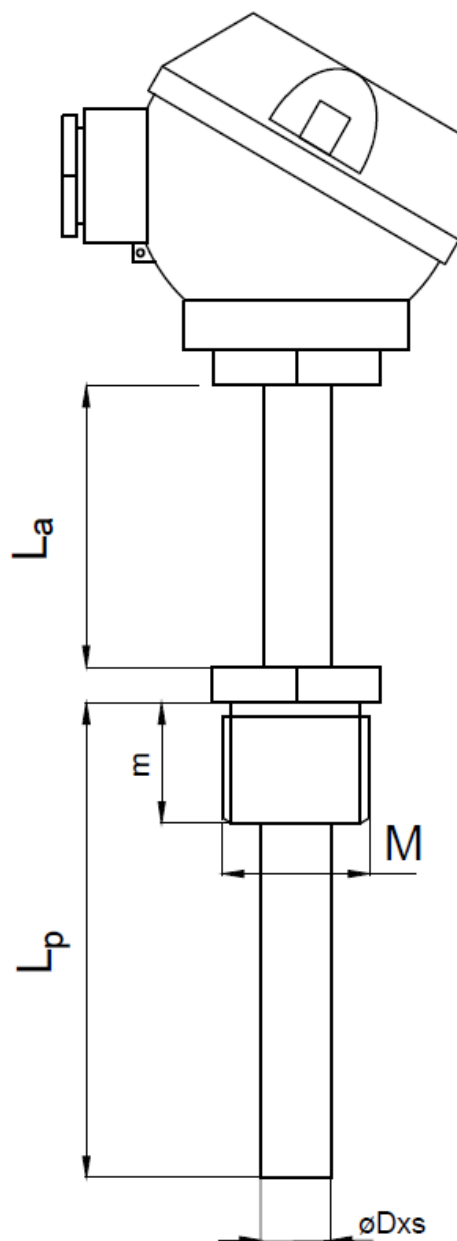
Temperature sensor TJ-M

Temperature sensor TJ-M consist of non-replaceable measurement insert, outer protection tube with neck and aluminum connection head (which contains terminal block). Sensor is designed to be screw-fitted either directly into the process or a thermowell. TJ-M is suitable to measure temperature in liquid and gaseous media under moderate mechanical load and non-aggressive chemical conditions.

Technical information

Dimensions and treads

D x s	M	m
4x0.35	M10x1	11
	M12x1	
6x1	G½	14
8 x 1.5	M14 x 1,5	
10 x 1,5	M16 x 1,5	15
12 x 2	G½	
14 x 2	M27 x 2	16
15 x 2	G¾	



Temperature sensor TJ-M

Product code

1	<input type="text"/>	Sensing element quantity	
		no designation	Single Pt100, Pt1000, K, J...
		2	Double Pt100, Pt1000, K, J...
2	<input type="text"/>	Sensing element	
		Pt100	Pt100
		K	K type thermocouple
3	<input type="text"/>	Accuracy	
		A or B	for measuring resistor
		1 or 2	for thermocouple
4	<input type="text"/>	Protection tube diameter ϕD, mm	
		6	$\phi 6$ mm
		8	$\phi 8$ mm
5	<input type="text"/>	Protection tube length L_p, mm	
		50	50 mm
		100	100 mm
6	<input type="text"/>	Neck length L_a, mm	
		no designation	Without neck length
		50	50 mm
7	<input type="text"/>	Dimension of process connection thread M	
		G1/2	G1/2"
		G1/4	G1/4"
8	<input type="text"/>	Protection tube material	
		304	Stainless steel 1.4301 (AISI 304)
		316L	Stainless steel 1.4404 (AISI 316L)
9	<input type="text"/>	Measurement circuit (for resistor)	
		2	2-wire
		3	3-wire
10	<input type="text"/>	Temperature range	
		-30+180	-30...180 °C
		-30+250	-30...250 °C
		-30+400	-30...400 °C
			other parameters acc. to requirements

	1	2	3	4	5	6	7	8	9	10
TJ-M			-	x	+		-	-		

E.g. TJ-M-Pt1000A-6x100+100-G1/4-316L-3-30+400

Temperature sensor TJ-M with Pt1000 class A sensor, protection tube diameter $\phi 6$, protection tube length 100 mm with neck length 100 mm, process connection G1/4", protection tube material 1.4404, measuring circuit 3-wire, measuring temperature range -30÷400 °C.