

Selection and Ordering data		Order No.	Order code
Pt100 resistance thermometer for food, pharmaceuticals and biotechnology		7 MC 8 0 0 5 -	
Connection head			
Form B, cast light alloy, screw cover, IP54, cable gland		1	
Form B, plastic, screw cover, IP54, cable gland		2	
Form BUZ, cast light alloy, screw cover, IP65, cable gland		3	
Form BUZH, cast light alloy, high hinged cover, IP 65, cable gland		4	
Form B, stainless steel, standard, IP67, cable gland		5	
Special version: (add Order code and plain text)		9	H 1 Y
Process connection, material 1.4404/316L			
Milk pipe union to DIN 11851 with slotted union nut and nominal diameter/pressure			
• DN 25 / PN 40 • DN 32 / PN 40 • DN 40 / PN 40 • DN 50 / PN 25		AA	
		AB	
		AC	
		AD	
Clamp connection:			
ISO 2852	DIN 32676	Tri-Clamp	Outer diameter D
–	–	½" / ¾"	25.0 mm
DN 25/ 33.7/38	DN 25/32/40	1", 1½"	50.5 mm
DN 40/51	DN 50	2"	64.0 mm
DN 63.5	–	2½"	77.5 mm
DN 88.9	DN 80	–	106.0 mm
		CA	
		CB	
		CC	
		CD	
		CE	
Varivent connection (Tuchenhausen)			
• D = 50 mm (1.97 inch), for Varivent housing DN 25 and DN 1" • D = 68 mm (2.68 inch), for Varivent housing DN 40 ... 125 and 1½" ... 6"		KU	
		KV	
NEUMO/BioControl			
• Size 25 • Size 50 • Size 65		BA	
		BB	
		BC	
Ingold flange			
• DN 25 with hexagon union nut G 1¼", mounting length 40 mm (1.57"), diameter 24.8 mm (0.98") incl. O-ring		JA	
Welding piece (sphere diameter 30 x 40 mm (1.2 x 1.6 inch) long)		LA	
Special version: Type of screwed gland and nominal diameter (add Order code and plain text)		ZA	J 1 Y
Protective tube			
Ø F1=6 mm (0.24 inch)	Measuring insert Ø 3/3.2 mm, (0.12/0.13 inch) miner. insul.	1	
Ø F1=9 mm (0.35 inch)	Ø 6 mm (0.24 inch)	2	
Ø F1=9 mm (0.35 inch)	Ø 6 mm (0.24 inch) miner. insul.	3	
Ø F1=9 mm (0.35 inch)	Ø 3/3.2 mm, (0.12/0.12 inch) miner. insul.	4	
tapered tip F3=5 Ø x 20 mm (0.2 x 0.79 inch)			
Special version: (add Order code and plain text)		9	L 1 Y

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Neck tube length M			
80 mm (3.15 inch)		1	
145 mm (5.71 inch)		2	
Special version: (add Order code and plain text)		9	N 1 Y
Mounting length U1			
15 mm (0.59 inch)		B	
35 mm (1.38 inch)		C	
50 mm (1.97 inch)		D	
100 mm (3.94 inch)		E	
160 mm (6.30 inch)		F	
250 mm (9.84 inch)		G	
400 mm (15.75 inch)		H	
4 inch		J	
6 inch		K	
9 inch		L	
Special version: (add Order code and plain text)		Z	P 1 Y
Sensor			
Thin-film technology: measuring range -50 ... +400 °C (-58 ... +752 °F)			
1 x Pt100, class A, three-wire		F	
2 x Pt100, class A, three-wire		G	
1 x Pt100, class A, four-wire		H	
Special version: (add Order code and plain text)		Z	Q 1 Y
Further designs		Order code	
Add "-Z" to Order No. and add Order code.			
Process connection completely electropolished		P01	
Hygiene version (R _a < 0.8 µm (3.1 x 10 ⁻⁵ inch))		H01	
Certificates			
• Roughness depth measurement R_a certified by factory certificate to EN 10204-3.1B		C18	
• Material certificate to EN 10204-3.1		C19	
Specify special version in plain text		Y01	
TAG plate made of stainless steel specify TAG No. in plain text		Y15	
Test report (at 0, 50 and 100%) specify measuring range in plain text		Y33	
If optional head transmitters are integrated, please note that all calibration points are located in the set measuring range. If the points are located outside the standard measuring range, a Y11 addition is always required.			

To order a temperature transmitter installed in the connection head, see "Temperature transmitters for mounting in the connection head" (page 2/79).