

Selection and Ordering data

Order no. Order code

Pipe collar Pt100 thermometer 7 MC 8 0 1 6 - 0

Type of connection

 Connector M12 x 1
 Connection head form B, stainless steel

A
B
Mounting with pipe collar
**Outer pipe diam; Collar size; mm
mm (inch)**

4 (0.16)		A1
6 (0.24)		B1
6,35 (0.25)		C1
8 (0.31)		D1
9,35 (0.37)		E1
10 (0.39)		F1
10,2 (F)		G1
10,3 (0.41)		H1
12 (0.47)	50 x 35 x 20 (1.97 x 1.38 x 0.79)	J1
12,7 (0.50)		K1
13 (0.51)		L1
13,5 (0.53)		M1
13,7 (0.54)		N1
14 (0.55)		P1
15,88 (0.62)		Q1
16 (0.63)		R1
17,2 (0.68)		S1
18,0 (0.71)		A2
19,0 (0.74)		B2
19,05 (0.75)		C2
20,0 (0.79)		D2
21,3 (0.84)		E2
22,0 (0.87)		F2
23,0 (0.90)		G2
24,0 (0.94)		H2
25,0 (0.98)		J2
25,4 (1.00)		K2
26,7 (1.05)		L2
26,9 (1.06)	70 x 70 x 20 (2.76 x 2.76 x 0.79)	M2
28,0 (1.10)		N2
29,0 (1.14)		P2
30,0 (1.18)		Q2
31,8 (1.25)		R2
32,0 (1.26)		S2
33,4 (1.31)		T2
33,7 (1.33)		U2
34,0 (1.34)		V2
35,0 (1.38)		W2
36,0 (1.42)		X2
38,0 (1.49)		Y2
38,1 (1.50)		A3
41,0 (1.61)		B3
42,4 (1.67)		C3
44,5 (1.75)		D3
48,3 (1.90)	90 x 85 x 20 (3.54 x 3.35 x 0.79)	E3
50,8 (2.00)		F3
53,0 (2.09)		G3
54,0 (2.13)		H3
57,0 (2.24)		J3
Special size ¹⁾		Z0

K1 Y
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Mounting with strap
**Outer pipe diam. Strap size
mm (inch)**

50 ... 60 (1.97 ... 2.36)	50/70 (1.97/2.76)	A7
60 ... 75 (2.36 ... 2.95)	60/80 (2.76/3.15)	B7
75 ... 85 (2.95 ... 3.35)	70/90 (1.97/3.54)	C7
85 ... 105 (3.35 ... 4.13)	90/110 (3.54/4.33)	D7
105 ... 125 (4.13 ... 4.92)	110/130 (4.33/5.12)	E7
125 ... 155 (4.92 ... 6.10)	125/160 (4.92/6.30)	F7
155 ... 200 (6.10 ... 7.87)	155/200 (6.10/7.87)	G7
Without strap		H7

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Further designs

Add "-Z" to Order No. and specify Order Code.

Transmitter (only connection type available: connection head)

TH100	T10
TH100 Ex	T11
TH200	T20
TH200 Ex	T21
TH300	T30
TH300 Ex	T31
TH400 PA	T40
TH400 PA Ex	T41
TH400 FF	T45
TH400 FF Ex	T46
Customer-specific setting of the built-in transmitter (specify settings in plain text) (for technical specifications of the transmitter, see chapter "SITRANS T measuring instruments for temperature")	Y11

Other cable gland (only for connection head)

Polyamide for cable diameter 4,5 ... 10 mm (0.18 ... 0.39 inch)	K02
Stainless steel for cable diameter 3 ... 6,5 mm (0.12 ... 0.25 inch)	K03
Round connector M12 x 1	K11

With explosion protection "Intrinsic safety" (available soon)

 II 1GD Ex ia IIC T6/T4 **E01**
**Deviating pipe; Collar size;
mm (inches)**

4 ... 17,9 (0.16 ... 0.70)	50 x 35 (1.97 x 1.38)	S11
18 ... 38 (0.71 ... 1.49)	70 x 70 (2.76 x 2.76)	S12
38,1 ... 57 (1.5 ... 2.24)	90 x 85 (3.54 x 3.35)	S13
Larger nominal diameters on request		S19

Space-saving mounting (latch fastening)

Outer pipe; mm (inch):		
6 ... 17,2 (0.24 ... 0.68)		S21
18 ... 35 (0.71 ... 1.38)		S22
38 ... 50,8 (1.45 ... 2.00)		S23

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Further Options

Assignment marking, engraving instead of adhesive label (Serial number and pipe diameter on plug and plastic block)

L11

Sensor 4-wire connection

L14

Heat-conductive-compound, silicone-free, syringe 3 g

L15**Suffixes**

Please add "-Z" to Order No. and specify Order code(s) and plain text.

Transmitter, specify complete setting in plain text

Y01

TAG plate made of stainless steel (specify TAG No. in plain text)

Y15

Test report at 50 % and 100 % (specify the 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.

Special version, specify in plain text

Y99

- 1) Special sizes for pipe outer diameters: In order to process "Z0" special sizes, the following two additional items of information are essential:
- the required diameter specified in plain text under "K1Y"
 - Selection of the corresponding pipe collar or latch fastener size (Order codes "S11" to "S23")

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Accessories**Modem for SITRANS TH100 and TH200**

incl. parameterization software SIPROM T

With USB connection

7NG3092-8KU

With RS 232 connection

C) **7NG3092-8KM****HART modem**

With RS 232 connection

D) **7MF4997-1DA**

With USB connection

D) **7MF4997-1DB**

SIMATIC PDM operating software, see "Communication and Software"

CD for measuring instruments for temperature**A5E00364512**

with documentation in German, English, French, Spanish, Italian, Portuguese and SIPROM T parameterization software

C) Subject to export regulations AL:N, ECCN: EAR99

D) Subject to export regulations AL:N, ECCN: EAR99H

Power supply units see "SITRANS I supply units and isolation amplifiers".