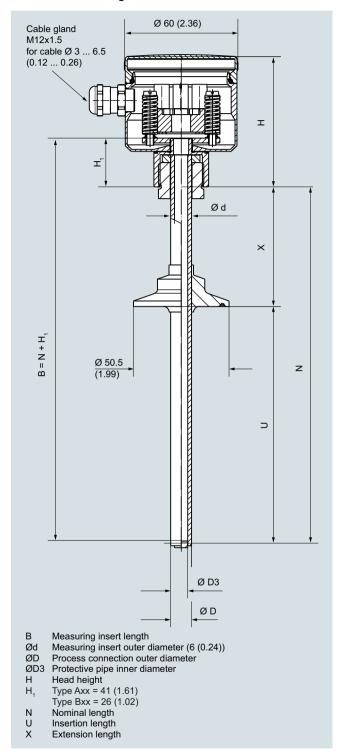
SITRANS TS300

#### For food, pharmaceuticals and biotechnology modular design

#### Dimensional drawings



SITRANS TS300 modular design, dimensions in mm (inch)

SITRANS TS300

# For food, pharmaceuticals and biotechnology modular design

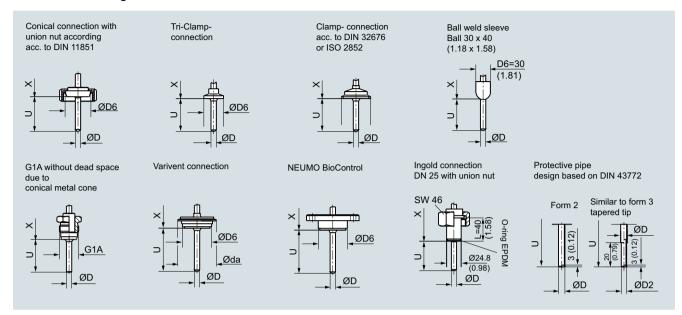
										_
Selection and Ord	ering data				_	No	Ord	er (	CC	de
SITRANS TS300 for food, pharmaceur ogy, modular design pipelines and vessel	for installa					05· 0 -	0	i		
Click on the Article No. for the online configuration in the PIA Life Cycle Portal.										
Head Stainless steel head, BS0, screw cover (Standard version) Aluminum head, BA0, flange cover standard Plastic cover, BM0, srew cover Aluminum head, BB0, hinged cover low Aluminum head, BC0, hinged cover high Special version: (add Order code and plain text)		5 1 2 3 4 9					H	11	Υ	
Process connection, material 1.4404 or 1.4 Milk pipe union to DIN union nut and nomina DN 25/PN 40 DN 32/PN 40 DN 40/PN 40 DN 50/PN 25 Clamp connection:	<b>4435/316L</b> I 11851 with I diameter/p	oressure		A A A B A C A D						
ISO 2852 DIN 32676	Tri-Clamp	Outer diameter D								
DN 25/ DN 33.7/38 25/32/40	½"/ ¾" 1", 1½"	25.0 mm 50.5 mm		C A						
DN 40/51 DN 50 DN 63.5 – DN 88.9 DN 80	2" 2½" -	64.0 mm 77.5 mm 106.0 mm	•	C C C D C E						
Varivent connection (Tuchenhagen) $\varnothing$ D <sub>6</sub> = 50 mm (1.97 inch), for Varivent housing DN 25 and DN 1" $\varnothing$ D <sub>6</sub> = 68 mm (2.68 inch), for Varivent housing DN 40 125 and 1½" 6"			K U							
NEUMO/BioControl Size 25 Size 50 Size 65		ı	B A B B B C							
Ingold flange DN 25 with hexagon union nut G 11/4", mounting length 40 mm (1.57"), diameter 24.8 mm (0.98") incl. O-ring		,	J A							
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)			ZΑ				J	1	Y	
Protective tube  Ø D = 6 mm (0.24 inch)  Ø D = 9 mm (0.35 inch)  Ø D = 9 mm	Measuring insert Ø 3/3.2 mm, (0.12/0.13 inch) miner. insul. Ø 6 mm (0.24 inch) Ø 6 mm (0.24 inch)				1 2 3					
(0.35 inch) $\emptyset$ D = 9 mm (0.35 inch) tapered tip D <sub>2</sub> = 5 $\emptyset$ x 20 mm (0.2 x 0.79 inch)	miner. insul. Ø 3/3.2 mm, (0.12/0.12 inch) miner. insul.				4					
Special version: (add Order code and	plain text)				9			L	. 1	Y

iood, pridi maccaticais and biotecimo	ogy modalar deorgii
Selection and Ordering data	Article No. Order code
SITRANS TS300 for food, pharmaceuticals and biotechnol- ogy, modular design for installation in pipelines and vessels	7MC8005-
Neck tube length X 65 mm (2.56 inch) [M = 80 mm (3.15 inch)] 130 mm (5.12 inch) [M = 145 mm (5.71 inch)] Special version: (add Order code and plain text)	1 2 9 N 1 Y
Insertion length Enter customer specific length with Y44, see Order codes below 15 mm (0.59 inch) 16 35 mm (0.63 1.38 inch) Initial: 35 mm (1.38 inch) 36 50 mm (1.42 1.97 inch) Initial: 50 mm (1.97 inch) 51 100 mm (2.01 3.94 inch) Initial: 100 mm (3.94 inch) 101 160 mm (3.98 6.30 inch) Initial: 160 mm (6.30 inch) 161 250 mm (6.34 9.84 inch) Initial: 250 mm (9.84 inch) 251 400 mm (9.88 15.75 inch) Initial: 400 mm (15.75 inch) 1 4 inch, Initial: 4 inch 4 6 inch, Initial: 6 inch 6 9 inch, Initial: 9 inch Special version: (add Order code and plain text)	B C D E F G H J K L Z P1Y
Sensor Thin-film technology: measuring range -50 +400 °C (-58 +752 °F) 2 x Pt100, class A, three-wire 1 x Pt100, class A, four-wire Special version: (add Order code and plain text)	G H Z Q1Y
Further designs Add "-Z" to Article No. and add Order code	Order code
Process connection completely electropolished Hygiene version (R <sub>a</sub> < 0.8 μm (3.1 x 10 <sup>-5</sup> inch)) Certificates • Roughness depth measurement R <sub>a</sub> certified by factory certificate to EN 10204-3.1 • Material certificate to EN 10204-3.1 TAG plate made of stainless steel specify TAG No. in plain text Test report (at 0, 50 and 100%) specify measuring range in plain text 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 Y01 addition is always required.	P01 H01 C18 C12 Y15 Y33
Insertion length customer-specific Select range, enter desired length in plain text (No entry = standard length)	Y44

SITRANS TS300

#### For food, pharmaceuticals and biotechnology modular design

#### Dimensional drawings



Process connections, dimensions in mm (inch)

SITRANS TS300

# For food, pharmaceuticals and biotechnology modular design

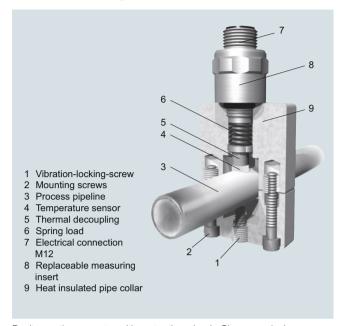
Selection and Ordering data	Order code
Further designs	
Add "-Z" to Article No. and specify Order code.	
Built-in head transmitter  Measuring range to be set must be specified with plain text data "Y11".	
SITRANS TH100, 4 20 mA, Pt100	T10
SITRANS TH100 Ex i (ATEX), 4 20 mA, Pt100	T11
SITRANS TH200, 4 20 mA, universal	T20
SITRANS TH200 Ex i(ATEX), 4 20 mA, universal	T21
SITRANS TH300, HART, universal	T30
SITRANS TH300 Ex i (ATEX), HART, universal	T31
SITRANS TH400 PA, universal	T40
SITRANS TH400 PA Ex i, universal	T41
SITRANS TH400 FF, universal	T45
SITRANS TH400 FF Ex i, universal	T46
Transmitter options	
Transmitter, enter complete setting in plain text (Y11:+/-NNNN +/-NNNN C,F)	Y11
Enter measuring point (max. 8 characters) in plain text	Y17
Transmitter, enter measuring point description (max. 16 characters) in plain text	Y23
Transmitter, enter measuring point text (max. 32 characters) in plain text	Y24
Transmitter, enter bus address in plain text	Y25
Transmitter, fail-safe value 3.6 mA (instead of 22.8 mA)	U36
Transmitter with a SIL 2 conformity	C20
Transmitter with a SIL 2/3 conformity	C23
Transmitter test protocol (5 points)	C11
Further options	
Connection form, flying leads (for the direct transmitter assembly, delivery without screws and springs)	G01
M12 device plug (in combination with 1x Pt100 and/or transmitter, Non-Ex)	G12
Option not found?	
Specify special version in plain text	Y98
Process number for the special version	Y99

Accessories, see page 2/238.

SITRANS TS300

### For food, pharmaceuticals and biotechnology clamp-on design

#### Dimensional drawings



Resitance thermometer with protection pipe in Clamp-on design

SITRANS TS300

### For food, pharmaceuticals and biotechnology clamp-on design

Selection and Ordering data				Foi
Tor food, pharmaceuticals and biotechnology   Clamp-on design for the measuring of the pipe surface temperature	Selection and C	Ordering data	Article No.	Ord. code
Colamp-on design for the measuring of the pipe surface temperature   Pick on the Article No. for the online configuration in the PIA Life Cycle Portal.			7MC8016- ■■	0
Clamp-on design for the measuring of the pipe surface temperature		ceuticals and biotech-		
Figuration in the PIA Life Cycle Portal.	Clamp-on design			
Acc. to IEC 60751, class A [-40 +150°C (-40 +302°F)]  Type of connection Device plug M12 x 1  connection head form B, stainless steel 4 20 mA compact transmitter SITRANS TH100slim (standard measuring range 0 100°C (32 212°F))  Mounting with pipe collar  Pipe outer-0				
Device plug M12 x 1 connection head form B, stainless steel 4 20 mA compact transmitter SITRANS TH100slim (standard measuring range 0 100 °C (32 212 °F))  Mounting with pipe collar Pipe outer-0	Acc. to IEC 60751		1	
4 20 mA compact transmitter SITRANS TH100slim (standard measuring range 0 100 °C (32 212 °F))  Mounting with pipe collar  Pipe outer-Ø mm (inch)  4 (0.16) 6 (0.24) 8 1 6 (0.25) 8 (0.31) 9.35 (0.37) 10 (0.39) 10.2 (0.40) 10.3 (0.41) 11.97 x 1.38 x 0.79) 11.2 (0.47) 12.7 (0.50) 13 (0.51) 13.7 (0.54) 14 (0.55) 15.88 (0.62) 16 (0.63) 17.2 (0.68) 18.0 (0.71) 19.0 (0.74) 19.0 (0.74) 19.0 (0.74) 19.0 (0.79) 21.3 (0.84) 22.2 (0.87) 23.0 (0.90) 24.0 (0.94) 25.0 (0.98) 25.4 (1.00) 26.7 (1.05) 26.9 (1.10) 27.0 x 70 x 20 28.0 (1.10) 29.0 (1.14) 30.0 (1.38) 31.7 (1.33) 31.7 (1.33) 32.0 (1.34) 32.0 (1.34) 33.7 (1.33) 34.0 (1.34) 35.0 (1.38) 36.0 (1.34) V2 35.0 (1.38) 36.0 (1.38) V2 35.0 (1.38) V2 V2 V2 V3 V3 V2 V3 V3 V4 V4 V4 V4 V4 V4 V4 V5 V5 V6 V6 V6 V7	Device plug M12 x	<b>c</b> 1		
Pipe outer-8 mm (inch) 4 (0.16) 6 (0.24) 8 (0.25) 8 (0.31) 9.35 (0.37) 10 (0.39) 10.2 (0.40) 11.3 (0.41) 12 (0.47) 12.7 (0.50) 13 (0.51) 13 (0.51) 13 (0.53) 13 (0.51) 13.5 (0.53) 15.88 (0.62) 16 (0.63) 17.2 (0.68) 18.0 (0.71) 19.0 (0.74) 19.0 (0.74) 19.0 (0.79) 21.3 (0.84) 22.0 (0.87) 23.0 (0.90) 24.0 (0.94) 25.0 (0.98) 25.4 (1.00) 26.6 7 (1.05) 26.9 (1.06) 28.0 (1.10) 29.0 (1.14) 30.0 (1.18) 31.8 (1.25) 32.0 (1.30) 33.4 (1.31) 33.7 (1.33) 34.0 (1.34) 35.0 (1.38) 36.0 (1.38) 36.0 (1.38) 36.0 (1.38) 36.0 (1.38) 36.0 (1.38) 36.0 (1.38) 36.0 (1.38) 36.0 (1.38) 37.1 (1.33) 34.0 (1.34) 37.2 (2.36) 38.1 (2.56) 39.2 (2.36) 39.3 (	4 20 mA compact SITRANS TH100slir	et transmitter m (standard measuring		
mm (inch)         mm (inch)           4 (0.16)         A1           6 (0.24)         B1           6.35 (0.25)         C1           8 (0.31)         D1           9.35 (0.37)         D1           10 (0.39)         F1           10 (2 (0.40)         50 x 35 x 20           (1.97 x 1.38 x 0.79)         G1           10.3 (0.41)         J1           12 (0.47)         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           19.05 (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)         C2           26.9 (1.06)         T0 x 70 x 20 </th <th>Mounting with pip</th> <th>oe collar</th> <th></th> <th></th>	Mounting with pip	oe collar		
6 (0.24) 6 (0.24) 6 (0.25) 8 (0.31) 9.35 (0.37) 10 (0.39) F1 10.2 (0.40) 10.3 (0.41) 11.97 x 1.38 x 0.79) H1 12 (0.47) 12.7 (0.50) 13 (0.51) 13.5 (0.53) 13.7 (0.54) 14 (0.55) 15.88 (0.62) 16 (0.63) 17.2 (0.68) 18.0 (0.71) 19.0 (0.74) 19.05 (0.75) 20.0 (0.79) 21.3 (0.84) 22.0 (0.87) 23.0 (0.90) 24.0 (0.94) 25.0 (0.98) 25.4 (1.00) 26.7 (1.05) 26.9 (1.06) 28.0 (1.10) 29.0 (1.14) 20.0 (1.18) 31.8 (1.25) 32.0 (1.30) 32.0 (1.34) 32.0 (1.34) 32.0 (1.34) 33.7 (1.33) 34.0 (1.34) 35.0 (1.38) 36.0 (1.42)  W2 35.0 (1.38) 36.0 (1.42)	•			
8 (0.31) 9.35 (0.37) 10 (0.39) F1 10.2 (0.40) 10.3 (0.41) 12 (0.47) 12.7 (0.50) K1 13 (0.51) 13.5 (0.53) 13.7 (0.54) 14 (0.55) 15.88 (0.62) 16 (0.63) 17.2 (0.68) 18.0 (0.71) 19.0 (0.74) 19.0 (0.74) 19.0 (0.79) 21.3 (0.84) 22.0 (0.87) 23.0 (0.90) 24.0 (0.94) 25.0 (0.98) 25.4 (1.00) 26.7 (1.05) 26.9 (1.06) 28.0 (1.10) 29.0 (1.14) 30.0 (1.18) 31.7 (1.33) 34.0 (1.34) 35.0 (1.38) 36.0 (1.42)  W2 35.0 (1.38) 36.0 (1.42)	,			
10 (0.39) 10 (0.40) 10.2 (0.40) 10.3 (0.41) 12 (0.47) 12 (0.47) 12.7 (0.50) 13 (0.51) 13.5 (0.53) 13.7 (0.54) 14 (0.55) 15.88 (0.62) 16 (0.63) 17.2 (0.68) 18.0 (0.71) 19.0 (0.74) 19.05 (0.75) 20.0 (0.79) 21.3 (0.84) 22.0 (0.87) 23.0 (0.90) 24.0 (0.94) 25.0 (0.98) 25.4 (1.00) 26.7 (1.05) 26.9 (1.06) 28.0 (1.10) 29.0 (1.14) 30.0 (1.18) 31.8 (1.25) 32.0 (1.26) 33.4 (1.31) 33.7 (1.33) 34.0 (1.34) 35.0 (1.38) 36.0 (1.42)  W2 35.0 (1.38) 36.0 (1.42)				
10.2 (0.40) 10.3 (0.41) 11.97 x 1.38 x 0.79) H1 12 (0.47) 12.7 (0.50) K1 13 (0.51) 13.5 (0.53) M1 13.7 (0.54) 14 (0.55) 15.88 (0.62) 16 (0.63) 17.2 (0.68) 18.0 (0.71) 19.0 (0.74) 19.0 (0.74) 19.05 (0.75) 20.0 (0.79) 21.3 (0.84) 22.0 (0.87) 23.0 (0.90) 24.0 (0.94) 25.0 (0.98) 25.4 (1.00) 26.7 (1.05) 26.9 (1.06) 28.0 (1.10) 29.0 (1.14) 30.0 (1.18) 31.8 (1.25) 32.0 (1.26) 33.4 (1.31) 33.7 (1.33) 34.0 (1.34) V2 35.0 (1.38) 36.0 (1.42) V2 V2 V3 V3 V3 V3 V3 V3 V3 V4 V3 V4 V4 V4 V5 V5 V6 V6 V7	, ,			
12.7 (0.50)  13 (0.51)  13.6 (0.53)  13.7 (0.54)  14 (0.55)  15.88 (0.62)  16 (0.63)  17.2 (0.68)  18.0 (0.71)  19.0 (0.74)  19.0 (0.74)  19.05 (0.75)  20.0 (0.79)  21.3 (0.84)  22.0 (0.87)  23.0 (0.90)  24.0 (0.94)  25.0 (0.98)  25.4 (1.00)  26.7 (1.05)  26.9 (1.06)  70 × 70 × 20  (2.76 × 2.76 × 0.79)  29.0 (1.14)  30.0 (1.18)  31.8 (1.25)  32.0 (1.26)  33.4 (1.31)  33.7 (1.33)  34.0 (1.34)  V2  35.0 (1.38)  36.0 (1.42)  V2  V2				
13.5 (0.53) 13.7 (0.54) 14 (0.55) 15.88 (0.62) 16 (0.63) 17.2 (0.68) 18.0 (0.71) 19.0 (0.74) 19.05 (0.75) 20.0 (0.79) 21.3 (0.84) 22.0 (0.87) 23.0 (0.90) 24.0 (0.94) 25.0 (0.98) 25.4 (1.00) 26.7 (1.05) 26.9 (1.06) 28.0 (1.10) 29.0 (1.14) 30.0 (1.18) 31.8 (1.25) 32.0 (1.26) 33.4 (1.31) 33.7 (1.33) 34.0 (1.34) 35.0 (1.38) 36.0 (1.42)				
14 (0.55) 15.88 (0.62) 16 (0.63) 17.2 (0.68) 18.0 (0.71) 19.0 (0.74) 19.0 (0.74) 19.0 (0.79) 21.3 (0.84) 22.0 (0.87) 23.0 (0.90) 24.0 (0.94) 25.0 (0.98) 25.4 (1.00) 26.7 (1.05) 26.9 (1.06) 28.0 (1.10) 29.0 (1.14) 30.0 (1.18) 31.8 (1.25) 32.0 (1.26) 33.4 (1.31) 33.7 (1.33) 34.0 (1.34) 35.0 (1.38) 36.0 (1.42)				
16 (0.63) 17.2 (0.68) 18.0 (0.71) 19.0 (0.74) 19.05 (0.75) 20.0 (0.79) 21.3 (0.84) 22.0 (0.87) 23.0 (0.90) 24.0 (0.94) 25.0 (0.98) 25.4 (1.00) 26.7 (1.05) 26.9 (1.06) 28.0 (1.10) 29.0 (1.14) 30.0 (1.18) 31.8 (1.25) 32.0 (1.26) 33.4 (1.31) 33.7 (1.33) 34.0 (1.34) 35.0 (1.38) 36.0 (1.42)	, ,			
18.0 (0.71) 19.0 (0.74) 19.0 (0.74) 19.05 (0.75) 20.0 (0.79) 21.3 (0.84) 22.0 (0.87) 23.0 (0.90) 24.0 (0.94) 25.0 (0.98) 25.4 (1.00) 26.7 (1.05) 26.9 (1.06) 28.0 (1.10) 29.0 (1.14) 30.0 (1.18) 31.8 (1.25) 32.0 (1.26) 33.4 (1.31) 33.7 (1.33) 34.0 (1.34) 35.0 (1.38) 36.0 (1.42) 38.2 (1.42) 38.2 (1.42) 38.3 (1.31) 38.3 (1.38) 39.0 (1.42) 39.3 (1.38) 39.0 (1.42) 39.3				
19.0 (0.74) 19.05 (0.75) 20.0 (0.79) 21.3 (0.84) 22.0 (0.87) 23.0 (0.90) 24.0 (0.94) 25.0 (0.98) 25.4 (1.00) 26.7 (1.05) 26.9 (1.06) 28.0 (1.10) 29.0 (1.14) 30.0 (1.18) 31.8 (1.25) 32.0 (1.26) 33.4 (1.31) 33.7 (1.33) 34.0 (1.34) 35.0 (1.38) 36.0 (1.42) 30.0 (0.75) 20 22 22 23 20 24 25 25 26 27 27 28 28 29 20 20 20 21 21 22 22 22 23 24 25 25 26 27 27 28 28 29 20 20 20 21 21 22 22 22 22 23 24 24 25 26 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28			_	
20.0 (0.79)  21.3 (0.84)  22.0 (0.87)  23.0 (0.90)  24.0 (0.94)  25.0 (0.98)  25.4 (1.00)  26.7 (1.05)  26.9 (1.06)  70 × 70 × 20  (2.76 × 2.76 × 0.79)  P2  30.0 (1.18)  31.8 (1.25)  32.0 (1.26)  33.4 (1.31)  33.7 (1.33)  34.0 (1.34)  70 × 70 × 20  21.0 (1.26)  32.0 (1.26)  33.4 (1.31)  33.5 (1.38)  34.0 (1.34)  35.0 (1.38)  36.0 (1.42)	` '			
22.0 (0.87)  23.0 (0.90) 24.0 (0.94)  25.0 (0.98) 25.4 (1.00) 26.7 (1.05) 26.9 (1.06)  28.0 (1.10) 29.0 (1.14)  30.0 (1.18) 31.8 (1.25)  32.0 (1.26) 33.4 (1.31)  33.7 (1.33) 34.0 (1.34) 35.0 (1.38) 36.0 (1.42)				
24.0 (0.94)  25.0 (0.98)  25.4 (1.00)  K2  26.7 (1.05)  26.9 (1.06)  70 x 70 x 20  (2.76 x 2.76 x 0.79)  N2  29.0 (1.14)  30.0 (1.18)  31.8 (1.25)  32.0 (1.26)  33.4 (1.31)  33.7 (1.33)  34.0 (1.34)  35.0 (1.38)  36.0 (1.42)				
25.4 (1.00)  26.7 (1.05) 26.9 (1.06)  70 × 70 × 20 28.0 (1.10) 29.0 (1.14)  30.0 (1.18) 31.8 (1.25) 32.0 (1.26) 33.4 (1.31) 33.7 (1.33) 34.0 (1.34) 35.0 (1.38) 36.0 (1.42)				
26.9 (1.06)  28.0 (1.10)  29.0 (1.14)  30.0 (1.18)  31.8 (1.25)  32.0 (1.26)  33.4 (1.31)  33.7 (1.33)  34.0 (1.34)  35.0 (1.38)  36.0 (1.42)	, ,			
28.0 (1.10) (2.76 x 2.76 x 0.79) N2 29.0 (1.14) Q2 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) 36.0 (1.42) X2		70 70 60		
31.8 (1.25)  32.0 (1.26)  32.0 (1.26)  33.4 (1.31)  T2  33.7 (1.33)  34.0 (1.34)  V2  35.0 (1.38)  36.0 (1.42)  R2  R2  R2  R2  R2  R2  R2  R2  R2				
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				
34.0 (1.34) V2 35.0 (1.38) W2 36.0 (1.42) X2				
35.0 (1.38) <b>W2</b> 36.0 (1.42) <b>X2</b>	33.7 (1.33)			
` '	35.0 (1.38)			

· · · · · · · · · · · · · · · · · · ·			
Selection and	Ordering data	Article No.	Ord. code
SITRANS TS300		7MC8016-	0
	aceuticals and biotech-		
nology Clamp-on desig the pipe surface	n for the measuring of e temperature		ш
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		E3
50.8 (2.00)	$(3.54 \times 3.35 \times 0.79)$		F3
53.0 (2.09)			G3
54.0 (2.13)			H3
57.0 (2.24)			J3
Always indicate of for 1):	external tube diameter	_	Z0 K1 Y
external tube d • Securing with o	tube collar and deviating iameter (S11-S19) slamps (S21-S23) tinstallation (S31-S35)		
43			

Special sizes for pipe outer diameters: In order to process "Z0" special sizes, the following two additional items of information are essential:

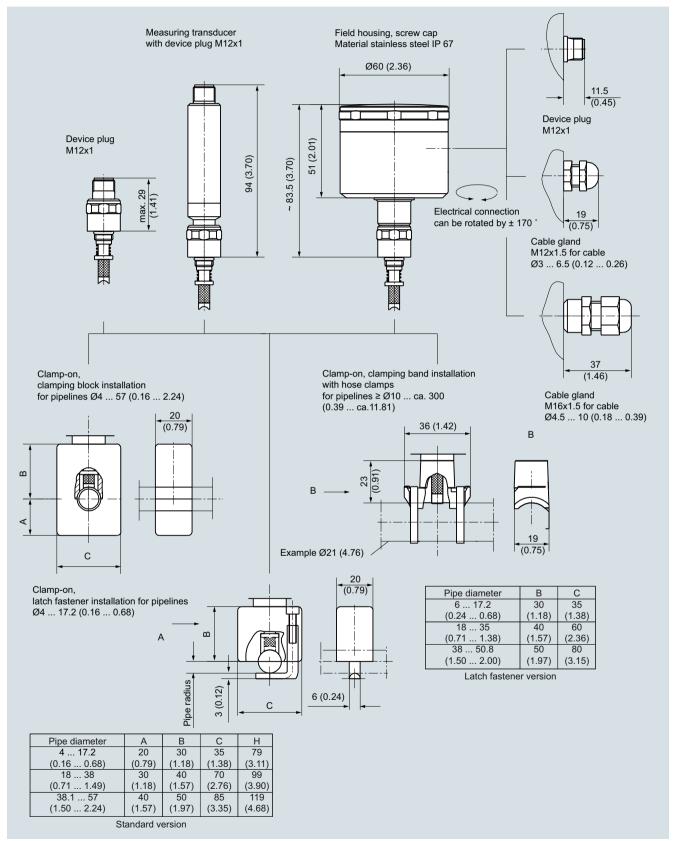
 the required diameter specified in plain text under "K1Y"
 Selection of the corresponding pipe collar, clamping band or clamping bracket size (Order codes "S11" to "S35")

Recommended for all versions: Heat-conductive-compound, silicone-free, syringe 3 g, Order code: L15 (see page 2/55)

SITRANS TS300

## For food, pharmaceuticals and biotechnology clamp-on design

#### Dimensional drawings



SITRANS TS300 Clamp-on design, device plug, field housing, cable gland, variants, dimensions in mm (inch)

SITRANS TS300

#### For food, pharmaceuticals and biotechnology clamp-on design

		FOI
Selection and Orderin	g data	Order code
Further designs		
Add "-Z" to Article No. and	specify Order code.	
Built in head transmitter Measuring range to be set text data "Y11".	must be specified with plain	
SITRANS TH100, 4 20 m	nA, Pt100	T10
SITRANS TH100 Ex i (ATE)	K), 4 20 mA, Pt100	T11
SITRANS TH200, 4 20 m	nA, universal	T20
SITRANS TH200 Ex i (ATE)	K), 4 20 mA, universal	T21
SITRANS TH300, HART, ur	niversal	T30
SITRANS TH300 Ex i (ATE)	K), HART, universal	T31
SITRANS TH400 PA, unive	rsal	T40
SITRANS TH400 PA Ex i, u	niversal	T41
SITRANS TH400 FF, univer	sal	T45
SITRANS TH400 FF Ex i. u	niversal	T46
Transmitter options		
Transmitter, enter complete (Y11:+/-NNNN +/-NNNN		Y11
Enter measuring point (ma	x. 8 characters) in plain text	Y17
Transmitter, enter measurir (max. 16 characters) in pla		Y23
Transmitter, enter measurir (max. 32 characters) in pla		Y24
Transmitter, enter bus addi	ress in plain text	Y25
Transmitter, fail-safe value (instead of 22.8 mA)	3.6 mA	U36
Transmitter with a SIL 2 co	nformity	C20
Transmitter with a SIL 2/3 of	conformity	C23
Transmitter test protocol (5	points)	C11
Other cable gland (only for	•	
Polyamide for cable diame 4.5 10 mm (0.18 0.39		K02
Stainless steel for cable di	· ·	K03
3 6,5 mm (0.12 0.25	inch)	K11
Device plug M12 x 1	0-11	KII
Deviating pipe; mm (inch)	Collar size; mm (inch)	
4 17.2 (0.16 0.68)	50 x 35 (1.97 x 1.38)	S11
18 38 (0.71 1.49) 38.1 57 (1.5 2.24)	70 x 70 (2.76 x 2.76)	S12 S13
Larger nominal diameters	90 x 85 (3.54 x 3.35) on request	S13
Space-saving mounting (	latch fastening)	
Outer pipe; mm (inch):		
4 17.2 (0.16 0.68)		S21
18 35 (0.71 1.38) (Clamping band version re	commended, see below)	S22
38 50.8 (1.45 2.00) (Clamping band version re		S23
Clamping band installation	· · · · · · · · · · · · · · · · · · ·	
Outer pipe; mm (inch):		
10 57 (0.39 2.24)		S31
58 220 (2.28 8.66)		S32
Without clamping band		S35
oat olapii ig baild		

Selection and Ordering data	Order code
Further Options Assignment marking, engraving instead of adhesive label (Serial number and pipe diameter on plug and plastic block)	L11
2 mm drain hole Sensor 4-wire connection Heat-conductive-compound, silicone-free, syringe 3 g	L12 L14 L15
Suffixes  Add "-Z" to Article No. and specify Order code and plain text.	
TAG plate made of stainless steel (specify TAG No. in plain text)  Test report at 0 %, 50 % and 100 % (specify the measuring range in plain text)  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 Y01 addition is always required.	Y15 Y33
Special version, specify in plain text Process number for special version	Y98 Y99

#### Accessories, see page 2/238.

#### Ordering examples:

Deviating tube diameter 28.5 mm: 7MC8016-1AZ00-Z K1Y+S12 {K1Y: 28.5 mm}

Space-saving mounting, tube diameter 38 mm: 7MC8016-1AZ00-Z K1Y + S23 {K1Y: 38 mm}; as of diameter  $\geq$  18 mm, we recommend using the clamping band installation.

Clamping band installation, tube diameter 111 mm: 7MC8016-1AZ00-Z K1Y+S32 {K1Y: 111 mm}