

Selection and Ordering data	Order No.
<b>Temperature transmitter in field enclosure</b> D) with fieldbus communication and electrical isolation, with documentation on CD	7 NG 3 1 3 - 0
<b>Integrated transmitter</b> SITRANS TH400 with PROFIBUS PA	
• Without Ex protection	7 0
• With Ex ia (ATEX)	7 1
• With Ex nAL for zone 2 (ATEX)	7 2
• Total device SITRANS TF Ex d <sup>1)</sup>	7 4
• Total device SITRANS TF according to FM (XP, DIP, NI, S) <sup>1)</sup> (available soon)	7 5
SITRANS TH400, with FOUNDATION fieldbus	
• Without Ex protection	8 0
• With Ex ia (ATEX)	8 1
• With Ex nAL for zone 2 (ATEX)	8 2
• Total device SITRANS TF Ex d <sup>1)</sup>	8 4
• Total device SITRANS TF according to FM (XP, DIP, NI, S) <sup>1)</sup> (available soon)	8 5
<b>Enclosure</b> Die-cast aluminium Stainless steel precision casting	A E
<b>Connections/cable inlet</b> Screwed glands M20x1.5 Screwed glands ½-14 NPT	B C
<b>Mounting bracket and fastening parts</b> None Made of steel Stainless steel	0 1 2
<b>Further designs</b> Please add "-Z" to Order No. and specify Order code(s) and plain text.	Order code
Test report (5 measuring points)	C11 <sup>2)</sup>
Bus connection	
• M12 plug (metal), without mating connector	M00 <sup>3)</sup>
• M12 plug (metal), with mating connector	M01 <sup>3)</sup>
Explosion protection	
• Explosion protection Ex ia to INMETRO (Brazil) (only with 7NG313.-1....)	E25
• Explosion protection Ex d to INMETRO (Brazil) (only with 7NG313.-4....)	E26
• Explosion protection Ex d to NEPSI (China) (only with 7NG313.-4....)	E56
<b>Customer-specific programming</b> Add "-Z" to Order No. and specify Order code(s)	
Customer specific programming, specify <b>measuring range</b> in plain text	Y01 <sup>4)</sup>
Meas. point no. (TAG), max. 32 characters	Y15 <sup>4)5)</sup>
Meas. point descriptor, max. 32 characters	Y23 <sup>4)5)</sup>
Meas. point message, max. 32 characters	Y24 <sup>4)</sup>
Bus address, specify in plain text	Y25 <sup>4)5)</sup>
Pt100 (IEC) 2-wire, R <sub>L</sub> = 0 Ω	U02 <sup>4)</sup>
Pt100 (IEC) 3-wire	U03 <sup>4)</sup>
Pt100 (IEC) 4-wire	U04 <sup>4)</sup>
Thermocouple type B	U20 <sup>4)</sup>
Thermocouple type C (W5)	U21 <sup>4)</sup>
Thermocouple type D (W3)	U22 <sup>4)</sup>
Thermocouple type E	U23 <sup>4)</sup>
Thermocouple type J	U24 <sup>4)</sup>
Thermocouple type K	U25 <sup>4)</sup>
Thermocouple type L	U26 <sup>4)</sup>

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Thermocouple type N	U27 <sup>4)</sup>
Thermocouple type R	U28 <sup>4)</sup>
Thermocouple type S	U29 <sup>4)</sup>
Thermocouple type T	U30 <sup>4)</sup>
Thermocouple type U	U31 <sup>4)</sup>
With TC: CJC internal	U40 <sup>4)</sup>
With TC: CJC: external (Pt100, 3-wire)	U41 <sup>4)</sup>
With TC: CJC: external with fixed value, specify in plain text	Y50 <sup>4)</sup>
Special differing customer-specific programming, specify in plain text	Y09 <sup>4)6)</sup>
1) Without cable gland.	
2) Can only be ordered together with Y01 (specify measuring range in plain text).	
3) Not available for explosion protection Ex d or XP.	
4) Y01 is mandatory for any customer-specific programming.	
5) If only Y15, Y23 or Y25 are ordered and the label <u>only</u> has to be on the tag plate, Y01 does not have to be specified	
6) If needed, here you can mention settings, which cannot be specified with existing order codes.	

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<b>Accessories</b>	
<b>CD for measuring instruments for temperature</b>	A5E00364512
with documentation in German, English, French, Spanish, Italian and Portuguese, and parameterization software SIPROM T (included in delivery with SITRANS TF)	
<b>SIMATIC PDM parameterization software</b> also for SITRANS TF with TH400 PA	see Sec. 9
<b>Mounting bracket and fastening parts</b> Made of steel for 7NG313.-.B.. Made of steel for 7NG313.-.C.. Made of stainless steel for 7NG313.-.B.. Made of stainless steel for 7NG313.-.C..	7MF4997-1AC 7MF4997-1AB 7MF4997-1AJ 7MF4997-1AH
<b>Connection board</b> ▶ Available ex stock.	A5E02391790

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

#### Ordering example 1:

7NG3137-0AB01-Z Y01+Y15+Y25+U03  
Y01: 0...100 C  
Y15: TICA1234HEAT  
Y25: 33

#### Ordering example 2:

7NG3137-0AC01-Z Y01+Y15+Y25+U25+U40  
Y01: 0...300 C  
Y15: TICA 1234 ABC 5678  
Y25: 35

#### Factory setting:

- for SITRANS TH400 PA:
  - Pt100 (IEC) with 3-wire circuit
  - Unit: °C
  - Failure mode: last valid value
  - Filter time: 0 s
  - PA address: 126
  - PROFIBUS Ident No.: manufacturer-specific
- for SITRANS TH400 FF:
  - Pt100 (IEC) with 3-wire circuit
  - Unit: °C
  - Failure mode: last valid value
  - Filter time: 0 s
  - Node address: 22