

Selection and Ordering data	Order No.
Temperature transmitter in field enclosure with fieldbus communication and electrical isolation, with documentation on CD	7 NG 3 1 3 - - - 0
Integrated transmitter SITRANS TH400 with PROFIBUS PA - Without Ex protection - With Ex ia (ATEX) - With Ex nAL for zone 2 (ATEX) - Total device SITRANS TF Ex d¹⁾ - Total device SITRANS TF according to FM (XP, DIP, NI, S)¹⁾ (available soon) SITRANS TH400, with FOUNDATION fieldbus - Without Ex protection - With Ex ia (ATEX) - With Ex nAL for zone 2 (ATEX) - Total device SITRANS TF Ex d¹⁾ - Total device SITRANS TF according to FM (XP, DIP, NI, S)¹⁾ (available soon)	7 0 7 1 7 2 7 4 7 5 8 0 8 1 8 2 8 4 8 5
Enclosure Die-cast aluminium Stainless steel precision casting	 A E
Connections/cable inlet Screwed glands M20x1.5 Screwed gland s ½-14 NPT	 B C
Mounting bracket and fastening parts None Made of steel Stainless steel	 0 1 2
Further designs Please add "-Z" to Order No. and specify Order code(s) and plain text.	Order code
Test report (5 measuring points)	C11 ²⁾
Bus connection	
- M12 plug (metal), without mating connector - M12 plug (metal), with mating connector	M00 ³⁾ M01 ³⁾
Explosion protection	
- Explosion protection Ex ia to INMETRO (Brazil) (only with 7NG313.-1....) - Explosion protection Ex d to INMETRO (Brazil) (only with 7NG313.-4....) - Explosion protection Ex d to NEPSI (China) (only with 7NG313.-4....)	E25 E26 E56
Customer-specific programming Add "-Z" to Order No. and specify Order code(s)	
Customer specific programming, specify measuring range in plain text	Y01 ⁴⁾
Meas. point no. (TAG), max. 32 characters	Y15 ⁴⁾⁵⁾
Meas. point descriptor, max. 32 characters	Y23 ⁴⁾⁵⁾
Meas. point message, max. 32 characters	Y24 ⁴⁾
Bus address, specify in plain text	Y25 ⁴⁾⁵⁾
Pt100 (IEC) 2-wire, R _L = 0 Ω	U02 ⁴⁾
Pt100 (IEC) 3-wire	U03 ⁴⁾
Pt100 (IEC) 4-wire	U04 ⁴⁾
Thermocouple type B	U20 ⁴⁾
Thermocouple type C (W5)	U21 ⁴⁾
Thermocouple type D (W3)	U22 ⁴⁾
Thermocouple type E	U23 ⁴⁾
Thermocouple type J	U24 ⁴⁾
Thermocouple type K	U25 ⁴⁾
Thermocouple type L	U26 ⁴⁾

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Thermocouple type N	U27 ⁴⁾
Thermocouple type R	U28 ⁴⁾
Thermocouple type S	U29 ⁴⁾
Thermocouple type T	U30 ⁴⁾
Thermocouple type U	U31 ⁴⁾
With TC: CJC internal	U40 ⁴⁾
With TC: CJC: external (Pt100, 3-wire)	U41 ⁴⁾
With TC: CJC: external with fixed value, specify in plain text	Y50 ⁴⁾
Special differing customer-specific programming, specify in plain text	Y09 ⁶⁾
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) Here, you enter the initial and final value of the desired measurement range for customer-specific programming for RTD and TC. 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 (e.g.: programming for mV, Ω).	
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Accessories	
CD for measuring instruments for temperature ▶ with documentation in German, English, French, Spanish, Italian and Portuguese, and parameterization software SIPROM T (included in delivery with SITRANS TF)	A5E00364512
SIMATIC PDM parameterization software also for SITRANS TF with TH400 PA	see Chap. 8
Mounting bracket and fastening parts 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
Connection board ▶ Available ex stock.	A5E02391790
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	