

**Selection and Ordering data**

Order No.

**Temperature transmitter SITRANS TH400**

for installation in connection head, with electrical isolation, order instruction manual separately.

- Bus-compatible to PROFIBUS PA
  - No explosion protection or Zone 2/Div 2 to ATEX/FM/CSA ▶ C) **7NG3214-0NN00**
  - With explosion protection "Intrinsically safe to ATEX/FM/CSA" ▶ C) **7NG3214-0AN00**
- Bus-compatible to FOUNDATION Fieldbus
  - No explosion protection or Zone 2/Div 2 to ATEX/FM/CSA ▶ C) **7NG3215-0NN00**
  - With explosion protection "Intrinsically safe to ATEX/FM/CSA" ▶ C) **7NG3215-0AN00**

**Further designs**

Order code

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

With test protocol (5 measuring points) **C11<sup>1)</sup>**

**Customer-specific programming**

Add **"-Z"** to Order No. and specify Order code(s)

Customer specific programming, specify **measuring range** in plain text **Y01<sup>2)</sup>**

Measuring point no. (TAG), max. 32 characters **Y17<sup>2)</sup>**

Measuring point descriptor, max. 32 characters **Y23<sup>2)</sup>**

Measuring point message, max. 32 characters **Y24<sup>2)</sup>**

Bus address, specify in plain text **Y25<sup>2)</sup>**

Pt100 (IEC) 2-wire,  $R_L = 0 \Omega$  **U02<sup>2)</sup>**

Pt100 (IEC) 3-wire **U03<sup>2)</sup>**

Pt100 (IEC) 4-wire **U04<sup>2)</sup>**

Thermocouple type B **U20<sup>2)</sup>**

Thermocouple type C (W5) **U21<sup>2)</sup>**

Thermocouple type D (W3) **U22<sup>2)</sup>**

Thermocouple type E **U23<sup>2)</sup>**

Thermocouple type J **U24<sup>2)</sup>**

Thermocouple type K **U25<sup>2)</sup>**

Thermocouple type L **U26<sup>2)</sup>**

Thermocouple type N **U27<sup>2)</sup>**

Thermocouple type R **U28<sup>2)</sup>**

Thermocouple type S **U29<sup>2)</sup>**

Thermocouple type T **U30<sup>2)</sup>**

Thermocouple type U **U31<sup>2)</sup>**

With TC: CJC internal **U40<sup>2)</sup>**

With TC: CJC external (Pt100, 3-wire) **U41<sup>2)</sup>**

With TC: CJC external with fixed value, specify in plain text **Y50<sup>2)</sup>**

Special differing customer-specific programming, specify in plain text **Y09<sup>2)3)</sup>**

**Accessories**

Order No.

**CD for measuring instruments for temperature****A5E00364512**

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

**SIMATIC PDM operating software****See Chapter 9****DIN rail adapters for head transmitters****7NG3092-8KA**

(Quantity delivered: 5 units)

**Connecting cable****7NG3092-8KC**

4-wire, 150 mm, for sensor connections when using head transmitters in the high hinged cover (set with 5 units)

for additional PA components,

▶ Available ex stock.

**See Catalog IK PI**

- 1) Can only be ordered together with Y01 (specify the measuring range in plain text).
- 2) Y01 is mandatory for any customer-specific programming. Additionally with Y01 the data of the customer-specific programming are printed on the product.
- 3) If needed, here you can mention settings, which cannot be specified with existing order codes.

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

Ordering example 1:

7NG3214-0NN00-Z Y01+Y17+U03  
Y01: 0...100 C  
Y17: TICA1234HEAT

Ordering example 2:

7NG3214-0NN00-Z Y01+Y17+Y25+U25+U40  
Y01: 0...500 C  
Y17: TICA5678HEAT  
Y25: 33

Factory setting:

- For SITRANS TH400 PA:
  - Pt100 (IEC 751) 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 751) with 3-wire circuit
  - Unit: °C
  - Failure mode: Last valid value
  - Filter time: 0 s
  - Node address: 22