

Selection and Ordering data

Order No.

Temperature transmitter SITRANS TH300

for installation in connection head, type B (DIN 43729), two-wire system 4 ... 20 mA, communication capable to HART, with galvanic isolation

- Without explosion protection ▶ C) **7NG3212-0NN00**
- With explosion protection
 - to ATEX ▶ C) **7NG3212-0AN00**
 - to FM (C_{FMUS}) ▶ C) **7NG3212-0BN00**

Further designs

Order code

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

with test protocol (5 measuring points) **C11**Functional safety SIL2 **C20**Functional safety SIL2/3 **C23****Customer-specific programming**

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

Customer specific programming, specify **measuring range** in plain text **Y01¹⁾**Measuring point no. (TAG), max. 8 characters **Y17**Measuring point descriptor, max. 16 characters **Y23**Measuring point message, max. 32 characters **Y24**Pt100 (IEC) 2-wire, R_L = 0 Ω **U02**Pt100 (IEC) 3-wire **U03**Pt100 (IEC) 4-wire **U04**Thermocouple type B **U20**Thermocouple type C (W5) **U21**Thermocouple type D (W3) **U22**Thermocouple type E **U23**Thermocouple type J **U24**Thermocouple type K **U25**Thermocouple type L **U26**Thermocouple type N **U27**Thermocouple type R **U28**Thermocouple type S **U29**Thermocouple type T **U30**Thermocouple type U **U31**With TC: CJC internal **U40**With TC: CJC external (Pt100, 3-wire) **U41**With TC: CJC external with fixed value, specify in plain text **Y50**Special differing customer-specific programming, specify in plain text **Y09²⁾**Fail-safe value 3.6 mA (instead of 22.8 mA) **U36****Accessories**

Order No.

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

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

HART modem

- With RS 232 connection ▶ D) **7MF4997-1DA**
- With USB connection ▶ D) **7MF4997-1DB**

SIMATIC PDM operating software

(Quantity delivered: 5 units)

See Section 9**7NG3092-8KA****7NG3092-8KC****Connecting cable**

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

▶ Available ex stock.

- 1) Y01 is mandatory for any customer-specific programming.
- 2) If needed, here you can mention settings, which cannot be specified with existing order codes.

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

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

Supply units see Chap. 8 "Supplementary Components".

Ordering example 1:

7NG3212-0NN00-Z Y01+Y17+U03

Y01: 0...100 C

Y17: TICA123

Ordering example 2:

7NG3212-0NN00-Z Y01+Y23+ U25+U40

Y01: 0...100 C

Y23: TICA1234HEAT

Factory setting:

- Pt100 (IEC 751) with 3-wire circuit
- Measuring range: 0 ... 100 °C (32 ... 212 °F)
- Fault current: 22.8 mA
- Sensor offset: 0 °C (0 °F)
- Damping 0.0 s