

**Selection and Ordering data**

Order No.

**Temperature transmitter SITRANS TR300**

For mounting on a standard DIN rail, two-wire system, 4 ... 20 mA, HART, with electrical isolation, with documentation on CD

- Without explosion protection ▶ D) **7NG3033-0JN00**
- With explosion protection to ATEX ▶ D) **7NG3033-1JN00**

**Further designs**

Order code

Please add **"-Z"** to Order No. with and specify Order codes(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 **Y01<sup>1)</sup>**

Measuring point no. (TAG), max. 8 characters **Y17<sup>1)</sup>**

Measuring point descriptor, max. 16 characters **Y23<sup>1)</sup>**

Measuring point message, max. 32 characters **Y24<sup>1)</sup>**

Text on front label, max. 16 characters **Y29<sup>1)2)</sup>**

Pt100 (IEC) 2-wire,  $R_L = 0 \Omega$  **U02<sup>1)</sup>**

Pt100 (IEC) 3-wire **U03<sup>1)</sup>**

Pt100 (IEC) 4-wire **U04<sup>1)</sup>**

Thermocouple type B **U20<sup>1)</sup>**

Thermocouple type C (W5) **U21<sup>1)</sup>**

Thermocouple type D (W3) **U22<sup>1)</sup>**

Thermocouple type E **U23<sup>1)</sup>**

Thermocouple type J **U24<sup>1)</sup>**

Thermocouple type K **U25<sup>1)</sup>**

Thermocouple type L **U26<sup>1)</sup>**

Thermocouple type N **U27<sup>1)</sup>**

Thermocouple type R **U28<sup>1)</sup>**

Thermocouple type S **U29<sup>1)</sup>**

Thermocouple type T **U30<sup>1)</sup>**

Thermocouple type U **U31<sup>1)</sup>**

With TC: CJC internal **U40<sup>1)</sup>**

With TC: CJC external (Pt100, 3-wire) **U41<sup>1)</sup>**

With TC: CJC external with fixed value, specify in plain text **Y50<sup>1)</sup>**

Special differing customer-specific programming, specify in plain text **Y09<sup>1)3)</sup>**

Fail-safe value 3.6 mA (instead of 22.8 mA) **U36<sup>1)</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

**HART modem**

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

**Simatic PDM operating software****See Section 9**

▶ Available ex stock

- 1) Y01 is mandatory for any customer-specific programming. Additionally with Y01 the data of the customer-specific programming are printed on the product.
- 2) Text on front label not stored inside transmitter.
- 3) If needed, here you can mention settings, which cannot be specified with existing order codes.

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

Supply units see Chap. 8 "Supplementary Components".

Ordering example 1:

7NG3033-0JN00-Z Y01+Y17+Y29+U03

Y01: 0...100 C

Y17: TICA123

Y29: TICA123

Ordering example 2:

7NG3033-0JN00-Z Y01+Y17+Y23+Y29+U25+U40

Y01: 0...600 C

Y17: TICA123

Y23: TICA123HEAT

Y29: TICA123HEAT

Factory setting:

- Pt100 (IEC 751) with 3-wire circuit
- Measuring range: 0 ... 100 °C (32 ... 212 °F)
- Error signal in the event of sensor breakage: 22.8 mA
- Sensor offset: 0 °C (0 °F)
- Damping 0.0 s