Temperature Measurement Transmitters for mounting in sensor head

SITRANS TH200 two-wire system, universal

Selection and Ordering data		Article No.
Temperature transmitter SITRANS TH200		
for installation in connection head, type B (DIN 43729), two-wire system, 4 20 mA, programmable, with electrical isolation		
 Without explosion protection 	▶ •	7NG3211-1NN00
With explosion protection		
- to ATEX	▶ •	7NG3211-1AN00
- to FM ($_{ m c}$ FM $_{ m US}$)	▶ •	7NG3211-1BN00
Further designs		Order code
Add "-Z" to Article 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 Article No. and specify Order code	(s)	
Measuring range to be set		Y01 ¹⁾
Enter in plain text (max. 5 digits):		
Y01: to °C, °F		
Measuring point no. (TAG), max. 8 character	S	Y17
Measuring point descriptor, max. 16 characters		Y23
Measuring point message, max. 32 characte	rs	Y24
Pt100 (IEC) 2-wire, $R_L = 0 \Omega$		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, speci	fv	Y50
in plain text	.,	
Special differing customer-specific program- ming, specify in plain text		Y09 ²⁾
Fail-safe value 3.6 mA (instead of 22,8 mA)		U36
Cable extension Transmitter with installed cable extension 150 mm (5.91 inch), for Pt100 in four-wire system		W01

Accessories		Article No.
Modem for SITRANS TH100, TH200 and TR200 incl. SIPROM T parameterization software With USB connection	•	7NG3092-8KU
CD for measuring instruments for temperature With documentation in German, English, French, Spanish, Italian, Portuguese and SIPROM T parameterization software	•	A5E00364512
DIN rail adapters for head transmitters (Quantity delivered: 5 units)	•	7NG3092-8KA
Connecting cable 4-wire, 150 mm, for sensor connections wher using head transmitters in the high hinged cover (set with 5 units)	٦	7NG3092-8KC

- Available ex stock.
- We can offer shorter delivery times for configurations designated with the Quick Ship Symbol
 For details see page 9/5 in the appendix.
- Here, you enter the initial and final value of the desired measurement range for customer-specific programming for RTD and TC.
- 2) If needed, here you can mention settings, which cannot be specified with existing order codes (e.g.: programming for mV, Ω).

Supply units see Chapter 7 "Supplementary Components".

Ordering example 1:

7NG3211-1NN00-Z Y01+Y17+U03

Y01: 0...100 C Y17: TICA123

Ordering example 2:

7NG3211-1NN00-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