

Selection and Ordering data		Order No.	Accessories	Order No.
Temperature transmitter SITRANS TR300			CD for measuring instruments for temperature	A5E00364512
For mounting on a standard DIN rail, two-wire system, 4 ... 20 mA, HART, with electrical isolation, with documentation on CD			With documentation in German, English, French, Spanish, Italian, Portuguese and SIPROM T parameterization software	
<ul style="list-style-type: none"> Without explosion protection ▶ 7NG3033-0JN00 With explosion protection to ATEX ▶ 7NG3033-1JN00 			HART modem	
<i>Further designs</i>		Order code	<ul style="list-style-type: none"> With RS 232 connection ▶ 7MF4997-1DA With USB connection ▶ 7MF4997-1DB 	
Please add "-Z" to Order No. with and specify Order codes(s).			Simatic PDM operating software	See Chapter 8
With test protocol (5 measuring points)		C11	▶ Available ex stock	
Functional safety SIL2		C20	1) Here, you enter the initial and final value of the desired measurement range for customer-specific programming for RTD and TC.	
Functional safety SIL2/3		C23	2) Text on front label not stored inside transmitter.	
<i>Customer-specific programming</i>			3) If needed, here you can mention settings, which cannot be specified with existing order codes (e.g.: programming for mV, Ω).	
Add "-Z" to Order No. and specify Order code(s)			Supply units see Chap. 7 "Supplementary Components".	
Customer specific programming, specify measuring range in plain text		Y01¹⁾	Ordering example 1:	
Measuring point no. (TAG), max. 8 characters		Y17¹⁾	7NG3033-0JN00-Z Y01+Y17+Y29+U03	
Measuring point descriptor, max. 16 characters		Y23¹⁾	Y01: 0...100 C	
Measuring point message, max. 32 characters		Y24¹⁾	Y17: TICA123	
Text on front label, max. 16 characters		Y29¹⁾²⁾	Y29: TICA123	
Pt100 (IEC) 2-wire, R _L = 0 Ω		U02¹⁾	Ordering example 2:	
Pt100 (IEC) 3-wire		U03¹⁾	7NG3033-0JN00-Z Y01+Y17+Y23+Y29+U25+U40	
Pt100 (IEC) 4-wire		U04¹⁾	Y01: 0...600 C	
Thermocouple type B		U20¹⁾	Y17: TICA123	
Thermocouple type C (W5)		U21¹⁾	Y23: TICA123HEAT	
Thermocouple type D (W3)		U22¹⁾	Y29: TICA123HEAT	
Thermocouple type E		U23¹⁾	Factory setting:	
Thermocouple type J		U24¹⁾	<ul style="list-style-type: none"> 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 	
Thermocouple type K		U25¹⁾		
Thermocouple type L		U26¹⁾		
Thermocouple type N		U27¹⁾		
Thermocouple type R		U28¹⁾		
Thermocouple type S		U29¹⁾		
Thermocouple type T		U30¹⁾		
Thermocouple type U		U31¹⁾		
With TC: CJC internal		U40¹⁾		
With TC: CJC external (Pt100, 3-wire)		U41¹⁾		
With TC: CJC external with fixed value, specify in plain text		Y50¹⁾		
Special differing customer-specific programming, specify in plain text		Y09³⁾		
Fail-safe value 3.6 mA (instead of 22.8 mA)		U36¹⁾		