

Selection and Ordering data				Order No.
High-pressure welding-type resistance thermometer				
Measuring resistor: Winding embedded in ceramic, protective tube to DIN 43772, form 4				
1 Pt100 measuring resistor/three-wire circuit				
Measuring insert not explosion protected				
• max. 540 °C (1004 °F), protective tube 13 CrMo 44, mat. No. 1.7335				7MC1010 - GA2
• max. 550 °C (1022 °F), protective tube X 6 CrNiMoTi 17 122, mat. No. 1.4571				7MC1010 - FA2
Measuring insert with explosion protection				
• max. 550 °C (1022 °F), protective tube X 6 CrNiMoTi 17 122, mat. No. 1.4571				7MC1010 - FE2
2 Pt100 measuring resistors/two-wire circuit				
Measuring insert not explosion protected				
• max. 540 °C (1004 °F), protective tube 13 CrMo 44, mat. No. 1.7335				7MC1010 - GB2
• max. 550 °C (1022 °F), protective tube X 6 CrNiMoTi 17 122, mat. No. 1.4571				7MC1010 - FB2
Measuring insert with explosion protection				
• max. 550 °C (1022 °F), protective tube X 6 CrNiMoTi 17 122, mat. No. 1.4571				7MC1010 - FF2
Mounting length <i>U</i>	Protective tube length <i>L</i>	Total length without connection head <i>l</i> ₅	Weight with one/two measuring resistors	
mm (inch)	mm (inch)	mm (inch)	kg (lb)	
65 (2.6)	140 (5.5)	305 (12.0)	0.78 (1.7)/ 0.79 (1.7)	1
		365 (14.4)	0.82 (1.8)/ 0.83 (1.8)	2
		395 (15.6)	0.85 (1.9)/ 0.86 (1.9)	3
	200 (7.9)	365 (14.4)	0.95 (2.1)/ 0.96 (2.1)	4
		395 (15.6)	0.98 (2.2)/ 1.00 (2.2)	5
		125 (4.9)	365 (14.4)	0.95 (2.1)/ 0.96 (2.1)
395 (15.6)	0.98 (2.2)/ 1.00 (2.2)		7	
260 (10.2)	395 (15.6)		1.15 (2.5)/ 1.20 (2.7)	8
Connection head, form B				
made of cast light alloy, with 1 cable bushing and				
• screw cover				1
• standard hinged cover				4
• high hinged cover				6
made of stainless steel, with 1 cable bushing and screw cover				7

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Further designs

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

Order code

Different design (mounting length, protective tube material etc.), specify in plain text.

Y01

TAG plate made of stainless steel
specify TAG No. in plain text

Y15

Calibration carried out at one point, specify desired temperature in plain text (order equivalent number of times for several calibration points).

Y33

If optional head transmitters are integrated, please note that all calibration points are located in the set measuring range. If the points are located outside the standard measuring range, a Y11 addition is always required.

To order a temperature transmitter installed in the connection head and transmitters for SIL applications, see "Temperature transmitters for mounting in the connection head" (page 3/79).

Individual parts: Measuring inserts and connection heads, see "Accessories".