

RTD Temperature Probe for the Food and Pharmaceutical Industry (902810)

- For temperatures from -50 to +250 °C
- Protection type up to IP69 according to DIN EN 60529 (IP69K according to DIN 40050)
- Hygienic process connections
- Stainless steel protection tubes
- Available with two-wire transmitter
- CIP-compliant installation



Order details

		(1) Basic type		
		902810/13	RTD temperature probe for the food/pharmaceutical industry with terminal head form B	
		902810/20	RTD temperature probe for the food/pharmaceutical industry with stainless steel terminal head	
		902810/40	RTD temperature probe for the food/pharmaceutical industry with terminal head form B and adaptation system for thermowell 902812/10 (please select associated thermowells in data sheet 902812)	
		902810/41	RTD temperature probe for the food/pharmaceutical industry with stainless steel terminal head and adaptation system for thermowell 902812/10 (please select associated thermowells in data sheet 902812)	
			(2) Measuring insert	
X	X	1001	1x Pt100 in 3-wire circuit	
	X	1003	1x Pt100 in 2-wire circuit	
	X	1011	1x Pt100 in 4-wire circuit	
X	X	2001	2x Pt100 in 3-wire circuit	
	X	2003	2x Pt100 in 2-wire circuit	
			(3) Tolerance class	
X	X	2	Class A	
X	X	3	Class AA	
			(4) Diameter prot. tube	
	X	3,00	Ø 3 mm	
X	X	6,00	Ø 6 mm	
			(5) Insertion length	
X	X	25,00	25 mm	
X	X	50,00	50 mm	
X	X	100,00	100 mm	
X	X	150,00	150 mm	
X	X	25,00 - 400,00	25 - 400 mm	
			(6) Process connection	
X	X	103	Screw connection G 3/8	
X	X	104	Screw connection G 1/2	
	X	120	Screw connection M14 x 1	
X	X	380	Screw connection G 1/2 with CIP-compliant conical seal	
X	X	601	Taper socket with union nut DN 10 DIN 11851 (dairy compression fitting)	
X	X	604	Taper socket with union nut DN 25 DIN 11851 (dairy compression fitting)	
X	X	605	Taper socket with union nut DN 32 DIN 11851 (dairy compression fitting)	
X	X	611	Clamping socket (clamp) DN 10/20 DIN 32676	
X	X	613	Clamping socket (clamp) DN 25/32/40 DIN 32676 (1 1/2" ISO 2852)	
X	X	616	Clamping socket (clamp) DN 50 DIN 32676 (2" ISO 2852)	
X	X	617	Clamping socket (clamp) 2 1/2" similar to DIN 32676	
X	X	681	Ball welding socket with threaded fitting	
X	X	682	Welding socket with CIP-compliant conical seal	

X	X			684	VARIVENT connection DN 15/10
X	X			685	VARIVENT connection DN 32/25
X	X			686	VARIVENT connection DN 50/40
X	X			840	Ball welding sleeve (material 316 Ti)
X	X			997	JUMO PEKA adapter system
(7) Protection tube material					
		X	X	20	CrNi (stainless steel)
X	X			24	Stainless steel 316 L (material No. 1.4404/1.4435)
X	X			26	Stainless steel 316 Ti (material-no. 1.4571)
(8) Extra codes					
X	X		X	000	Without extra code
X		X		320	Terminal head form BUZ
X		X		321	Terminal head form BUZH
X	X	X	X	330	1x transmitter analog, output 4 to 20 mA, data sheet 707030 (only for measuring insert 1x Pt100 in 2- or 3-wire circuit, not in connection with extra code 058)
X	X	X	X	331	1x transmitter programmable, output 4 to 20 mA / 20 to 4 mA, data sheet 707010 (only for measuring insert 1x Pt100, not in connection with extra code 058)
X	X	X	X	333	1x transmitter analog, output 0 to 10 V, data sheet 707030 (only for measuring insert 1x Pt100 in 2- or 3-wire circuit, not in connection with extra code 058)
X	X	X	X	550	1x transmitter programmable, output 4 to 20 mA / 20 to 4 mA, data sheet 707050 (only for measuring insert 1x Pt100, not in connection with extra code 058)
X	X			305	Without support tube (only with process connections 104 and 380)
X	X			365	Inspection certificate 3.1 DIN EN 10204 insulation resistance
X	X			367	Inspection certificate 3.1 DIN EN 10204 pressure test
X	X			368	Inspection certificate 3.1 DIN EN 10204 leakage test
X	X			374	Inspection certificate 3.1 DIN EN 10204 material
		X	X	425	Pg-thread in stainless steel
X	X			452	Wetted, electrolytically polished parts, surface roughness Ra <= 0.8 µm (not for process connections 104, 681, 682, and 840)
X	X	X	X	658	SIL- and PL-suitable with safety temperature limiter and safety temperature monitor 70115X
X	X	X	X	659	SIL- and PL-suitable (only in connection with temperature transmitter T06, data sheet 707071)
X	X			810	Welding socket G 1/2 (only for process connection 380 and protection tube material 24)
		X	X	1160	H2 ready - mobile hydrogen applications

Order code

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

Quantity discount:

As of 5 pieces: 5 %

As of 10 pieces: 10 %

As of 25 pieces: please inquire

For extra code transmitter specify measuring range and, if applicable, output signal in plain text.

Associated process connection adapters for the JUMO PEKA system see data sheet 409711.


Stock versions

Order code	Part no.
902810/20-1001-2-6-25-380-24/452,	00466457
902810/20-1001-2-6-100-380-24/452,	00381830

Accessories

Description	Part no.
PC interface with converter USB/TTL	00456352
USB cable, A-connector to Mini-B connect length 3 m	00506252

Software

Description	Part no.
Setup JUMO dTRANS T05 707050/51	00574959
JUMO setup dTRANS T01J 315.01.xx/1.08J	00605080