

## JUMO dTRANS T100 – Screw-In RTD Temperature Probe without/with Transmitter (902815)

- For temperatures from -50 to +260 °C
- Hygienic process connections
- RoHS conformity for EU and China
- Configuration with setup program via USB interface
- M12 × 1 plug connection; protection type IP67 according to DIN EN 60529 with pushed in machine connector



### Order details

		<b>(1) Basic type</b>		
		902815/10	Screw-in RTD temperature probe without transmitter, connection M12 x 1 machine connector	
		902815/20	Screw-in RTD temperature probe* with programmable transmitter**, connection M12 x 1 machine connector	
		902815/21	Screw-in RTD temperature probe* with programmable transmitter**, connection M12 x 1 connector, with support tube (260 °C)	
		902815/40	Screw-in RTD temperature probe without transmitter, connection M12 x 1 machine connector and adaptation system for thermowell 902812/10 (please select associated thermowells in data sheet 902812)	
		902815/41	Screw-in RTD temperature probe* with programmable transmitter**, connection M12 x 1 machine connector and adaptation system for thermowell 902812/10 (please select associated thermowells in data sheet 902812)	
		<b>(2) Operating temperature in °C</b>		
	X	370	-50 to +150 °C (max. transmitter temperature 85 °C)	
X		380	-50 to 200 °C	
	X	386	-50 to +260 °C (max. transmitter temperature 85 °C)	
		<b>(3) Measuring insert</b>		
X		1003	1x Pt100 in 2-wire circuit	
X	X	1005	1x Pt1000 in 2-wire circuit	
X		1011	1x Pt100 in 4-wire circuit	
X	X	1013	1x Pt1000 in 4-wire circuit	
X	X	2003	2x Pt100 in 2-wire circuit	
X	X	2005	2x Pt1000 in 2-wire circuit	
		<b>(4) Tolerance class</b>		
X		1	Class B (standard)	
X	X	2	Class A	
X		3	Class AA	
		<b>(5) Diameter prot. tube</b>		
X	X	0,00	Without protection tube	
	X	3,00	Ø 3 mm	
X	X	6,00	Ø 6 mm	
		<b>(6) Insertion length</b>		
X	X	0,00	Without protection tube	
X	X	50,00	50,0	
X	X	100,00	100,0	
X	X	150,00	150,0	
X	X	200,00	200,0	
X	X	50,00 - 500,00	50 - 500 mm	
		<b>(7) Process connection</b>		

X	X									000	Without process connection (for basic type 902815/2X max. transmitter temperature 85 °C)
X	X	X								103	Screw connection G 3/8
X	X	X								104	Screw connection G 1/2
			X	X						120	Screw connection M14 x 1
X	X	X								380	Screw connection G 1/2 with CIP-compliant conical seal
X	X	X								387	Screw connection G 1/2 with PEEK-sealing
X	X	X								388	Screw connection G 1/2 with PEEK-sealing frontside
X	X	X								601	Taper socket with union nut DN 10 DIN 11851 (dairy compression fitting)
X	X	X								604	Taper socket with union nut DN 25 DIN 11851 (dairy compression fitting)
X	X	X								605	Taper socket with union nut DN 32 DIN 11851 (dairy compression fitting)
X	X	X								611	Clamping socket (clamp) DN 10/20 DIN 32676
X	X	X								613	Clamping socket (clamp) DN 25/32/40 DIN 32676 (1 1/2" ISO 2852)
X	X	X								616	Clamping socket (Clamp) DN 50 DIN 32676 (2" ISO 2852)
X	X	X								617	Clamping socket (clamp) 2 1/2" similar to DIN 32676
X	X	X								681	Ball welding socket with threaded fitting
X	X	X								682	Welding socket with CIP-compliant conical seal
X	X	X								684	VARIVENT connection DN 15/10
X	X	X								685	VARIVENT connection DN 32/25
X	X	X								686	VARIVENT connection DN 50/40
X	X	X								997	JUMO PEKA adapter system
										<b>(8) Protection tube material</b>	
			X	X						20	CrNi (stainless steel)
X	X	X								24	Stainless steel 316 L (material-no. 1.4404/1.4535)
X	X	X								26	Stainless steel 316 Ti (material no. 1.4571) (upon request)
										<b>(9) Extra codes</b>	
X	X	X	X	X						000	None
										100	Customer-specific configuration (specifications in plain text)
X	X	X								310	Protection tube stepped down from Ø 6 mm to Ø 3.5 mm
X	X	X								452	Wetted, electrolytically polished parts, surface roughness Ra ≤ 0.8 µm (without thread and weld seams)
X			X							658	SIL- and PL-suitable with safety temperature limiter and safety temperature monitor 70115X
X			X							659	SIL- and PL-suitable with Transm. T06
X			X							665	SIL- and PL-compliant w. Transm. T07 SIL
X	X	X								810	Welding socket (only for process connection 380)
X	X		X	X						1160	H2 ready - mobile hydrogen applications

**Order code**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

\* This JUMO product is licensed under United States and Canadian patents. Purchasers of the JUMO product outside of the United States and Canada should advise JUMO of any planned sales of the product to the United States and Canada.

\*\* Specify measuring range in plain text.

Quantity discount upon request


**Stock versions**

Order code	Part no.
902815/10-380-1011-1-6-100-104-24/000	00508463
902815/10-380-1011-3-6-50-104-24/000	00516241
902815/10-380-1011-3-6-150-104-24/000	00516245
902815/10-380-1011-3-6-200-104-24/000	00516246
902815/20-370-1013-2-6-50-104-24/000	00508279

902815/20-370-1013-2-6-100-380-24/452,	00513650
902815/20-370-1013-2-6-100-104-24/000	00491506
902815/20-370-1013-2-6-150-000-24/000	00506630
902815/20-370-1013-2-6-200-104-24/000	00503113

### Accessories

Description	Part no.
Configuration cable, 4-pin with connecto socket M12 x 1 and Western plug RJ-45	00484692
Line socket 4-pole, M12x1, straight, 2 m	00404585
5-pin cable socket M12 x 1, straight, wi connecting cable to be patched by the customer	00419130
5-pin cable socket M12 x 1, angled, with connecting cable to be patched by the customer	00419133
PC interface with converter USB/TTL	00456352
T-piece with PEKA connection DN100	00643582
T-piece with PEKA connection DN 80	00643581
T-piece with PEKA connection DN 65	00643580
T-piece with PEKA connection DN 50	00643579
T-piece with PEKA connection DN 40	00643576
T-piece with PEKA connection DN 32	00643574
T-piece with PEKA connection DN 25	00643555

### Software

Description	Part no.
JUMO Setup für Dtrans T100 und dTRANS T0	00485016