

Plug-in transmitter High with display 4-20 mA

Article number: 803312 3012

Our High plug-in transmitter with display and 4-20 mA current output comes with matching immersion sleeves (stainless steel immersion sleeve for aggressive media) and mounting flanges for quick and easy installation. The High plug-in transmitter with 4-20 mA display measures the temperature in liquid or gaseous media, has eight switchable measuring ranges and a housing with a two-way display and IP 65.

Supply and output		
Output	4 - 20 mA	
Power consumption	< 1,0 VA / 24 V DC	
Voltage supply 15 - 36 V DC		
Connection type	2- or 3-wire connection (with/without display light)	

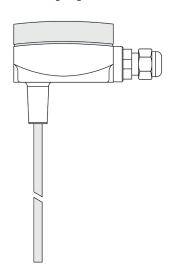


General information	
Measuring range	multi-range switching with 8 switchable measuring ranges with manual zero point correction (\pm 10 K)
Sensor Pt1000, DIN EN 60751, Class B	
Temperature deviation	typically ± 0.2 K at +25 °C
Load	Ra (Ohm) = (Ub -14 V) / 0,02 A
Process connection	by using an immersion sleeve or mounting flange

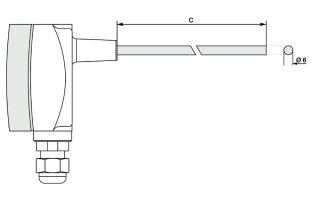
Gehäuse		
Material Plastic, UV-resistant Material polyamide, 30 % glass bead reinforced		
Dimensions (L/W/H) (mm) Aluminum die casting		
Color	Traffic white (similar to RAL9016)	
Electrical connection	0.14 - 1.5 mm², via screw terminals on circuit board	
Closure	with quick release screws	
Display		
Display	Two lines, lighted For display of actual temperature and self-diagnostics (overrange, underrange, probe break, probe short-circuit)	
Cut-out Display (B/H) (mm)	ca. 36 x 15	

Configurable options

C - Mounting length



	Protection sleeve				
			Stainle	ss steel 1.4571	316TI
			6		
				C -Mounting length	
	Article number	Mounting length C		code	Length (mm)
	803312 3012			C0050	50
_	Delivery and Packing			C0100	100
12.12.2023	Dolivon	Transmitter, Op	erating	C0150	150
	Delivery	instructions		C0200	200
	Б. 1.	individually pac	ked in	C0250	250
NIW / NO	Packing	PE bag		C0300	300
<u>``</u>				C0400	400



Technical drawing

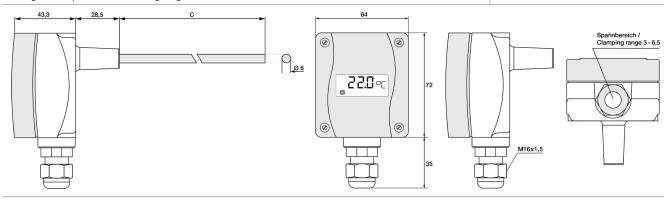


Ambient conditions				
Ambient temperature	-30 °C to +70 °C	Permissible air humidity	< 95 % r. H., non-precipitating air	
Certifications / Standards				
Protection class	III (nach EN 60 730)		CE conformity	
Protection type	IP 65 according to EN 60 529	Standards	electromagnetic compatibility according to EN 61326 according to EMC Directive 2014/30/EU	

Technical drawing

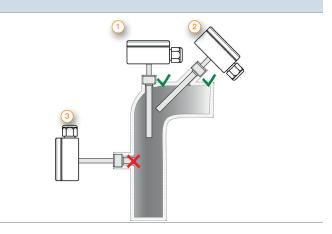
Configurable options C - Mounting length

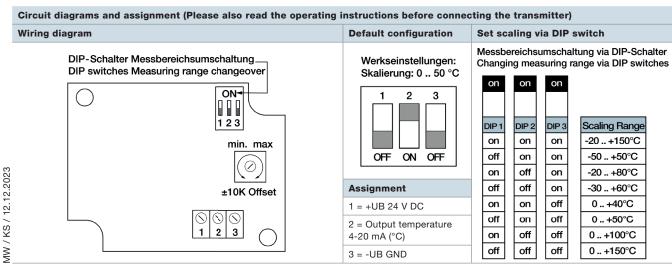
All dimensions in mm



Important assembly instructions

Measurement errors can occur due to heat dissipation to the environment. To keep these as small as possible, we recommend immersing the protection sleeve of your temperature probe as deeply as possible in the medium to be measured when installing it. The optimum installation depth should be 10-15 times the \varnothing of the protection sleeve. Please make sure that you have enough space so that you can remove the probe again if necessary. Mounting by means of a mounting flange: Please ensure that the $\ensuremath{\mathcal{Q}}$ of the mounting flange matches the $\ensuremath{\mathcal{Q}}$ of the protection sleeve. Mounting by using an immersion sleeve: Please make sure that the $\ensuremath{\mathcal{O}}$ and the length of the immersion sleeve match the installation situation so that the minimum immersion depth can be reached. Since the probe is not inserted directly into the medium, but via the immersion sleeve, the response times are somewhat slower. The probe should be selected so that the protection sleeve touches the bottom of the immersion sleeve and the air cushion around the protection tube is as small as possible. The use of thermal conduction paste can improve the response times.







Matching accessoires: Immersion sleeves

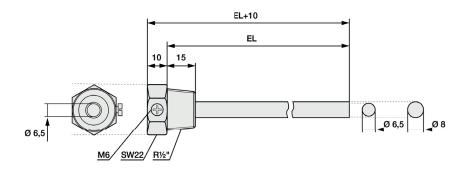
Brass immersion sleeve R1/2 " TH08-MS



Article no.	809521 00XX	code	Length (mm)
Temp. max	+150 °C	05	50
Pressure proof up to	10 bar (statisch)	10	100
Material	Nickel plated	15	150
Process connection	R1/2 "	20	200
Wrench size	22	25	250
Ø Inside / Outside (mm)	6,5 / 8	30	300
Scope of delivery	Brass immersion sleeve R1/2 " TH-MS	40	400
Order code	809521 00		

Please attach the code for the mounting length.

Technical drawing



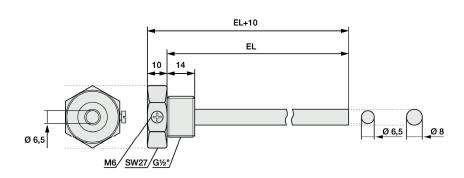
Stainless steel immersion sleeve G1/2 " TH08-VA



Article no.	809521 10XX	code	Length (mm)
Temp. max	+600 °C	05	50
Pressure proof up to	40 bar (statisch)	10	100
Material	1.4571 (316TI)	15	150
Process connection	G1/2 "	20	200
Wrench size	27	25	250
Ø Inside / Outside (mm)	6,5 / 8	30	300
Scope of delivery	Stainless steel immersion sleeve G1/2 " TH-VA	40	400
Your order code	809521 10		

Please attach the code for the mounting length.

Technical drawing





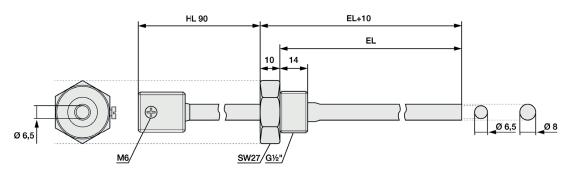
Stainless steel immersion sleeve G1/2 " with neck tube TH08-VA



Article no.	809521 20XX		Length (mm)
Temp. max	+600 °C	05	50
Pressure proof up to	40 bar (statisch)	10	100
Material	1.4571 (316TI)	15	150
Process connection	G1/2 "	20	200
Wrench size	27	25	250
Ø Inside / Outside (mm)	6,5 / 8	30	300
Length neck tube (mm)	90		
Scope of delivery	Stainless steel immersion sleeve G1/2 " with neck tube TH-VA		
Your order code	809521 20		

Please attach the code for the mounting length.

Technical drawing



Mounting flange

Plastic flange MF-15-K		
Article number	809500 6150	
Material	Plastic	
Fastening	2 x Ø 5,2 mm drill holes	
Hole (mm)	15,2	

