

Pressure transmitter high 4-20 mA with display

Article number: 801514 2032

The pressure transmitter high 4-20 mA with display with display measures and visualizes pressure differences in gaseous and liquid media reliably and directly on the device. The rotatable and tiltable display module allows flexible alignment for optimum readability. Areas of application include ventilation systems, filter monitoring, and industrial pressure zones. With protection class IP65, G 1/8" connections, and a mounting bracket included, the device can be installed easily and securely, regardless of the installation position.

Supply and output	
Output	4 - 20 mA (2-Wire)
Load	RI < 600 Ohm
Insulation resistance	≥ 100 Mohm, at +20 °C (500 V DC)
Voltage supply	24 V DC (± 20 %)

Pressure	
Pressure type	Differential pressure
Measuring principle	Ceramic measuring cell (no separate pressure transmitter required)
Pressure range	See table
Accuracy pressure	Total error < 1.3%
Response time	< 5 ms
Class	0,5 %
Total error	< 1,3 %
System pressure	max. 25bar (P1+P2)
Burst pressure	1.5 x system pressure
Overload	dependent on pressure range

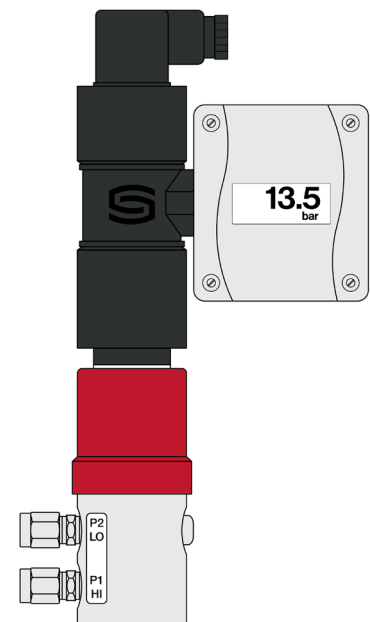
Body	
Material	Stainless steel 1.4305 SUS 303
Color	Black, red
Dimensions (L/W/H) (mm)	224 x 128 x 43,3
Wetted parts	INOX (1.4305), ceramic, EPDM seal
Pressure connection	Pipe fitting for 6 mm pipe (G 1/8" - 27 NPT internal thread)
Electrical connection	0.25 - 1.5 mm ² , via plug connector DIN EN 175301-803-A (included in the scope of delivery)
Process connection	using mounting bracket

Display module	
Material	Plastic, UV-resistant, Material: PC/ABS, 30% glass bead reinforced
Color	Black (similar to RAL9004)
Dimensions (L/W/H) (mm)	72 x 67 x 43,3
Closure	with quick-release screws



Configurable options

P-Pressure range



MW / KC 22.07.2025

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Please find our whole temperature probe and transmitter portfolio in our webshop at: www.testo-sensor.shop

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Display	
Cut-out (B/H) (mm)	ca. 36 x 15
Display content	Pressure [bar] [kPa] [psi] [inWC] [mWC] [atm], voltage [V] or current [mA]
System of units	SI and Imperial (display configurable)
Display module can be rotated and tilted, For displaying the actual pressure, min/max pressure or standard signal of the sensor	

Ambient conditions	
Storage temperature	-40 °C to +85 °C
Operating temperature	-10 °C to +80 °C
Medium	liquid and gaseous
Medium temperature	-15 °C to +80 °C
Long-term stability	Approximately 15 years, significantly longer under laboratory conditions

Certifications / Standards	
Protection class	III (according to EN 60 730)
Protection type	IP 65 according to EN 60 529
Standards	CE conformity, according to EMC Directive 2014/ 30/ EU

Delivery and Packing	
Delivery	Transmitter, Operating instructions, Mounting bracket
Packing	individually packed in cardboard box

Your order code	P - Pressure range			
Article number	Pressure range	code	Pressure range	Max. pressure
801514 2032	P_____	P0001	0 bar bis 0,1 bar	0,6 bar
		P0005	0 bar bis 0,5 bar	3 bar
		P0010	0 bar bis 1 bar	5 bar
		P0025	0 bar bis 2,5 bar	12 bar
		P0040	0 bar bis 4 bar	12 bar
		P0060	0 bar bis 6 bar	12 bar
		P0100	0 bar bis 10 bar	20 bar

Mounting bracket (included in delivery)	
Article image	Technical drawing
Material	Stainless steel
Dimensions (L/W/H)	40 / 20 / 30
Mounting	3 x 4,2 mm drill holes

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Technical drawing	Top view
Bottom view	
Important assembly instructions	
<p>Installation is carried out using the supplied bracket in any mounting position. The compact housing allows easy integration into a wide range of applications. Before commissioning, check the pressure and electrical connections for leaks and correct connection.</p>	

Circuit diagrams and assignment (Please also read the operating instructions before connecting the transmitter)				
Circuit diagram	Assignment			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">2 = Output pressure 4-20 mA</td> </tr> <tr> <td style="padding: 2px;">3 = Free</td> </tr> <tr> <td style="padding: 2px;">1 = Supply voltage UB + 24 V DC</td> </tr> </table>	2 = Output pressure 4-20 mA	3 = Free	1 = Supply voltage UB + 24 V DC
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