

F08-T1

Pressure Transmitter -1...25 bar for absolute and gauge pressure

Features:

- Stainless steel construction
- Compact design
- Ambient temperature -10°C bis +85°C
- Medium temperature -10°C bis +85°C
- Customized pressure range
- Output signal: 0/4-20 mA, 0-10 V



Technical Data:

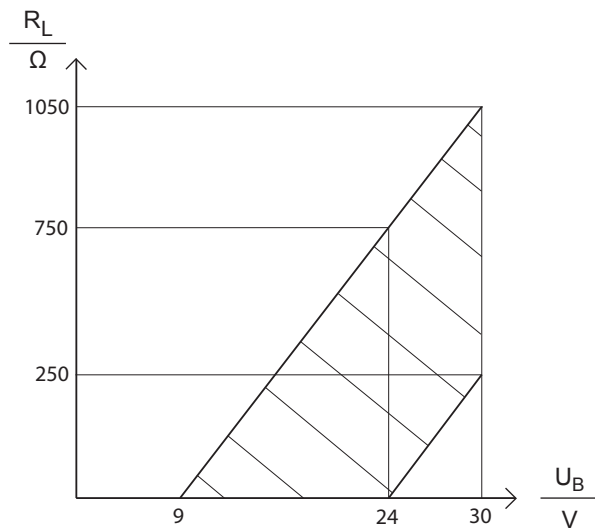
Pressure range		-1...25 bar*					
		* pressure range according to customer requirements, e.g. 0...10 bar					
Preferential pressure range	bar	-1	2,5	6	10	16	25
Overload	bar	4	6	15	25	40	50
Linearity	% FS	1					
Pressure hysteresis and repeatability	% FS	0,3					
Medium temperature	°C	-10...+85					
Operating temperature	°C	-10...+85					
Storage temperature	°C	-25...+85					
Supply voltage		9..30VDC (current output) 14..30VDC (voltage output)					
		permissible ripple @ 50 Hz: 10%					
Output signal		4-20mA (2-wire-technique), 0-20mA (3-wire-technique), 0-10V					
Electrical connector		M12-Plug, optional with cable, more on request					
Pressure port		G1/4", 1/4NPT					
Protection class		IP 65					
EMC		EN 61000-6-2, EN 61000-6-3					
Material housing		Stainless steel 1.4571					
Material port		Stainless steel 1.4571					
Material diaphragm		Ceramic Al ₂ O ₃					
Material sealing ring (inside/outside)		FKM (Viton)					

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Electrical Connection:

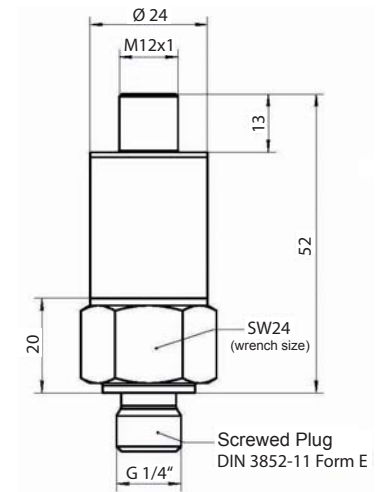
Dimensions:

Operating area for current output signal

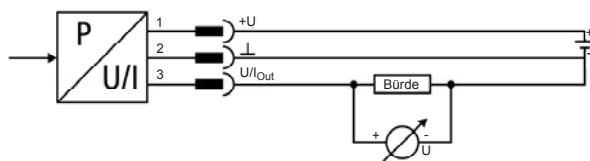


$$\text{Max. load: } R_L = \frac{U_B - 9V}{0,02A}$$

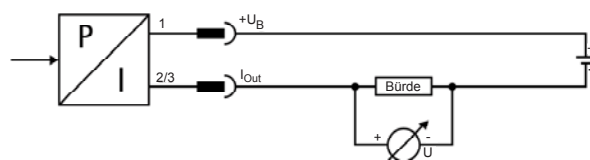
Voltage output: load $R_L > 10K\Omega$



3-wire version



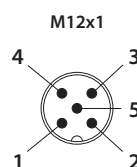
2-wire version



Ordering Example:

Pressure transmitter: F08-T1
 Pressure range: 0-10 bar, gauge pressure
 Pressure port: G1/4"
 Output Signal: 4-20 mA 2-wire
 Electrical connection: M12x1

Pin-definition	2-wire	3-wire
Ub+	1	1
GND		2
Signal	3	3



Accessories:

Connection cable	Order-No.	
M12-cable, 5m, PU, 5-pole, straight	110 26 410	
M12-cable, 5m, PU, 5-pole, 90°	110 26 400	
M12-Connector Plug with screwing terminals	Order-No.	
M12-Connector Plug straight	990 00 083	
M12-Connector Plug 90°	990 00 010	