

Pioneering new technologies
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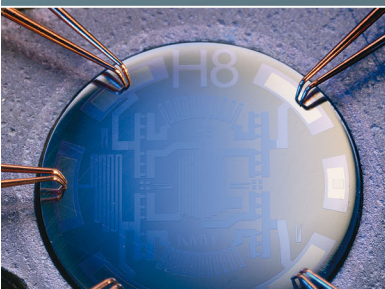
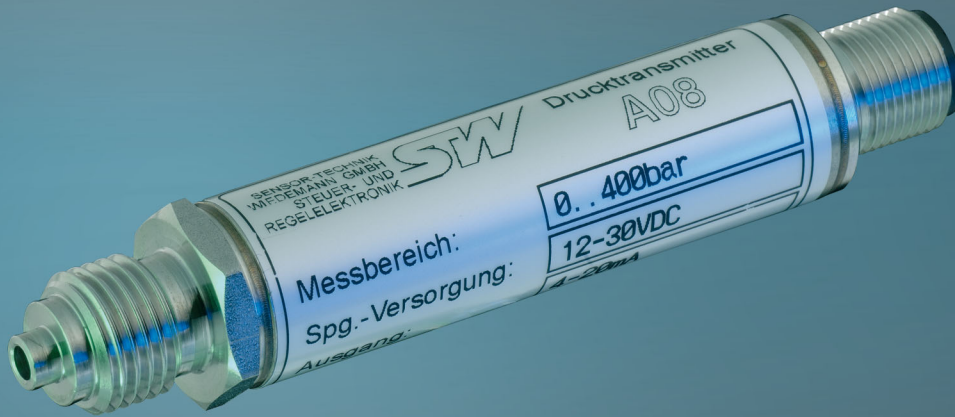


Sensor-Technik Wiedemann GmbH
Mobile Controllers and Measurement Technologies



Pressure transmitter A08

Pressure transmitter A08



Characteristics

- Thin film measurement element without oil filling
- Complete stainless steel construction
- Simple mounting
- Low cost
- Rugged construction
- Max. media temperature: 125°C (option: -HT)

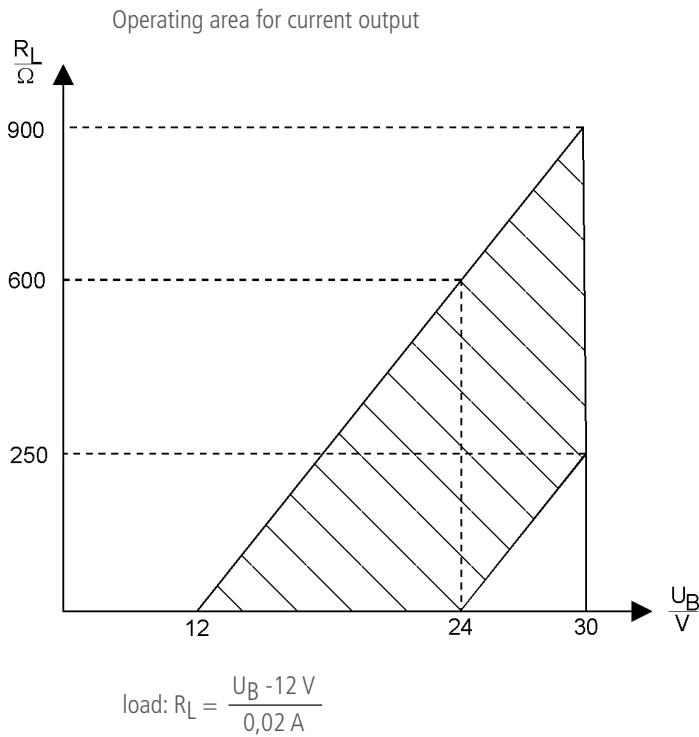
Applications

- Hydraulic facilities
- Testing standards
- Industrie and research
- Process engineering

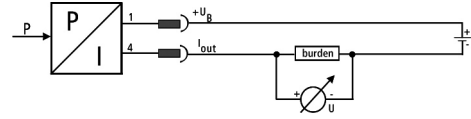


Technical specifications

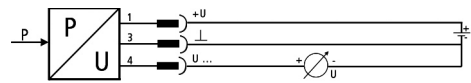
Pressure range, gauge	0 ... 20 bar to 0 ... 1000 bar, special ranges without extra charge						
Standard pressure range	bar	20	60	160	400	800	1000
Overload	bar	40	100	300	600	1000	1200
Linearity	% FS (typ.)	0.5	0.2				
Pressure hysteresis and repeability	% FS	0.1					
Thermal effect on zero	% FS/10K (typ.)	0.2					
Thermal effect on span	% FS/10K (typ.)	0.1					
Media temperature range	°C	-25 ... +85, -40 ... +125 (option: -HT)					
Operating temperature range	°C	-25 ... +85, -40 ... +110 (option: -HT)					
Storage temperature range	°C	-25 ... +85, -40 ... +125 (option: -HT)					
Excitation voltage	12 ... 30 VDC (with current output) 15 ... 30 VDC					allowable ripple @ 50 Hz: 10%	
Output signal	4-20 mA (2-wire-technique), 0-10 V*, frequency					*minimum output voltage: 50 mV	
Electrical connection	M12-connector, reverse polarity and shortcircuit protection cable-connector not included						
Pressure connection	G 1/4, 1/4 NPT, other threads possible						
Protection class	IP 65						
EMC	EN 61000-6-2 EN 61000-6-3						
Material housing	1.4571 bzw. 1.4542						
Material diaphragm	1.4542						



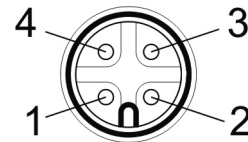
Electrical connection for 2-wire-technique



Electrical connection for 3-wire-technique



Pin occupancy M12-connector



Connection STW-Pressure transducer

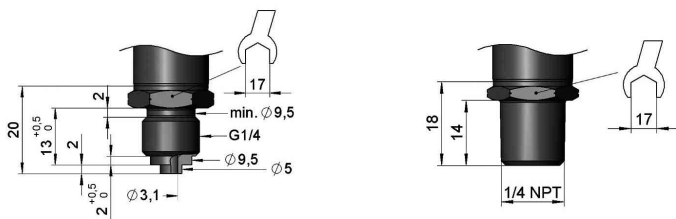
	plug pins	
	4-20 mA	0 - 10 V
+UB	1	1
GND	–	3
Output	4	4

housing/connector
M12



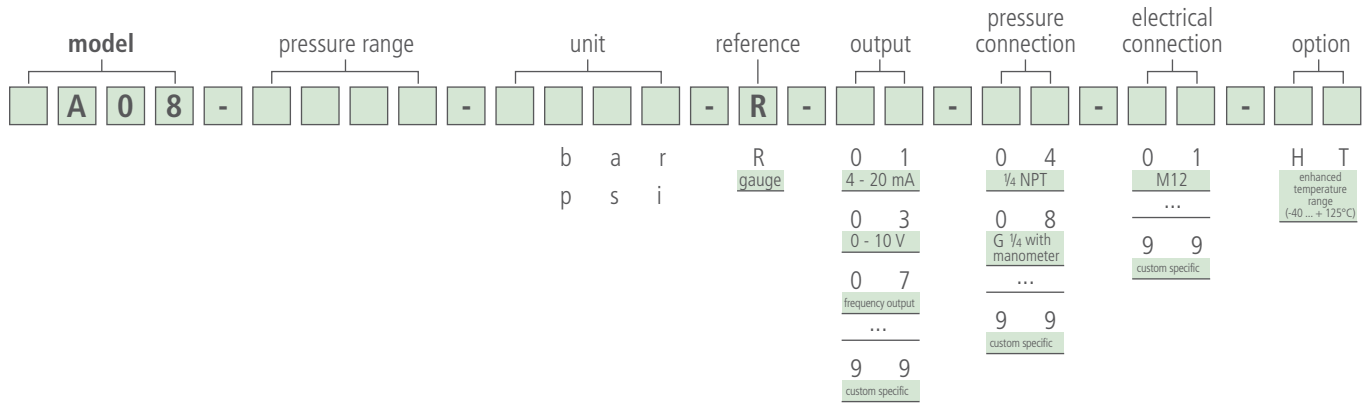
pressure connection
G 1/4

1/4 NPT



Order codes overleaf!

Order codes



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