

Pioneering new technologies
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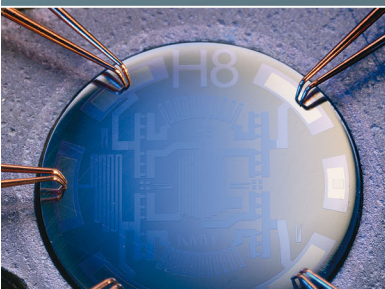
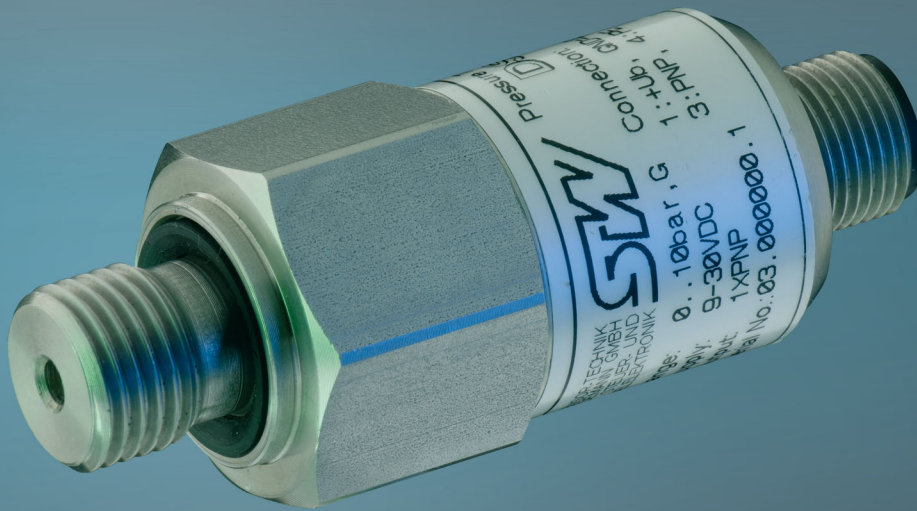


Sensor-Technik Wiedemann GmbH
Mobile Controllers and Measurement Technologies



Pressure Transmitter C01

Pressure Transmitter C01



Pressure transmitter C01 – for absolute and gauge pressure

Characteristics

- Ceramic measuring element
- Stainless steel housing
- G 1/4-connection
- Less expensive
- Rugged construction

Applications

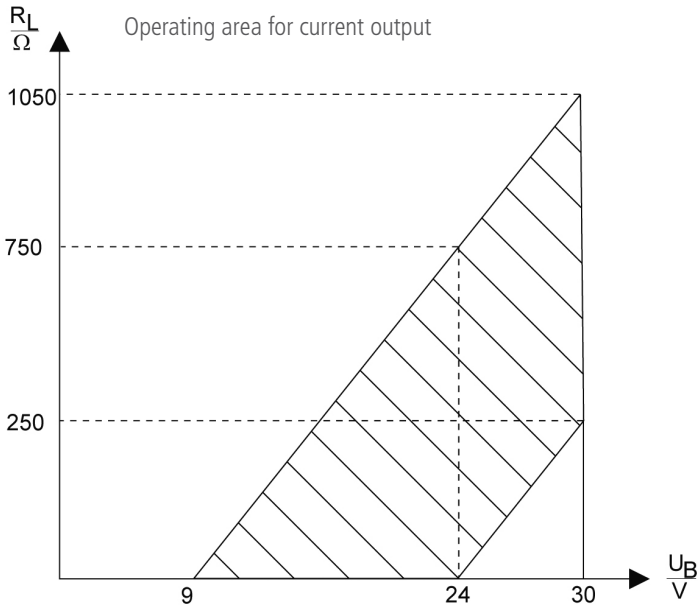
- Hydraulic facilities
- Industry and research process engineering



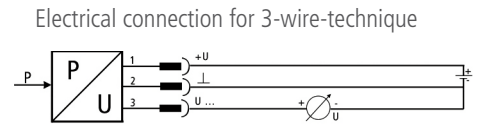
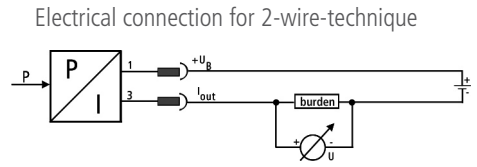
Technical specifications

Pressure ranges gauge or abs.	0 ... 1 bar to 0 ... 25 bar, other ranges available free of charge									
Standard pressure range	bar	1	1.6	2.5	4	6	10	16	25	
Overload	bar	4	4	6	12	15	25	40	50	
Linearity	% FS	1								
Pressure hysteresis and repeability	% FS	0.3								
Thermal effect on zero	% FS/10K	0.3								
Thermal effect on span	% FS/10K	0.2								
Media temperature range	°C	-10 ... +85								
Operating temperature range	°C	-10 ... +85								
Storage temperature range	°C	-25 ... +85								
Excitation	9 ... 30 VDC (output) 14 ... 30 VDC (voltage output) permissible ripple @1 50 Hz: 10% 5 VDC (ratiometric output)									
Output signal	4-20 mA (2-wire-technique), 0-20 mA (3-wire-technique), 0-10 V, 0.5 ... 4.5 V ratiometric									
Electrical connection	M12-connector (M12-cable-connector not included) reverse polarity and shortcircuit protection (not with ratiometric output)									
Pressure connection	G 1/4, 1/4 NPT									
Protection class	IP 65									
EMC	EN 61000-6-2 EN 61000-6-3									
Material housing	1.4305									
Material diaphragm	Ceramic Al ₂ O ₃									

Pressure transmitter C01 – for absolute and gauge pressure



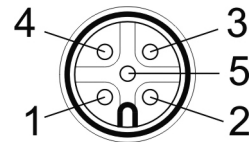
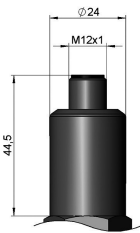
$$\text{max. load } R_L = \frac{U_B - 9 \text{ V}}{0,02 \text{ A}}$$



Connection STW-Pressure transmitter

	4 - 20 mA	0 - 20 mA 0 - 10 V
+UB	1	1
GND	—	2
Output	3	3

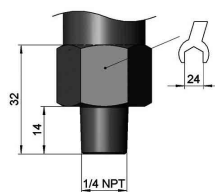
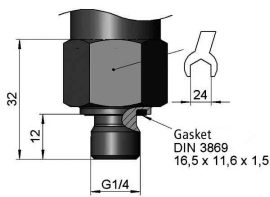
housing/connector
M12



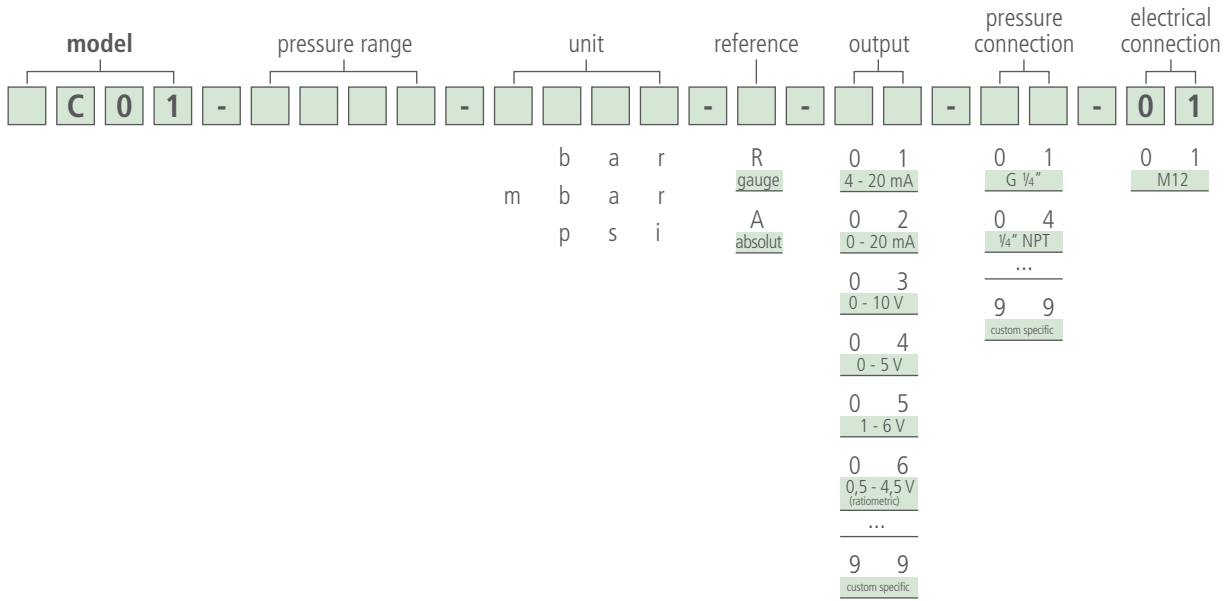
Pin occupancy M12-connector

pressure connection
G 1/4

1/4 NPT



Order codes overleaf!

Order codes


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