

Pioneering new technologies  
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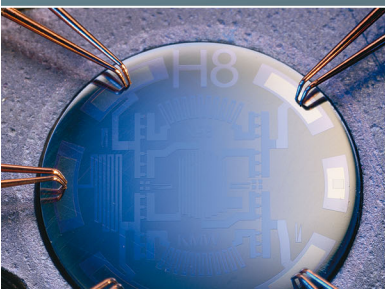
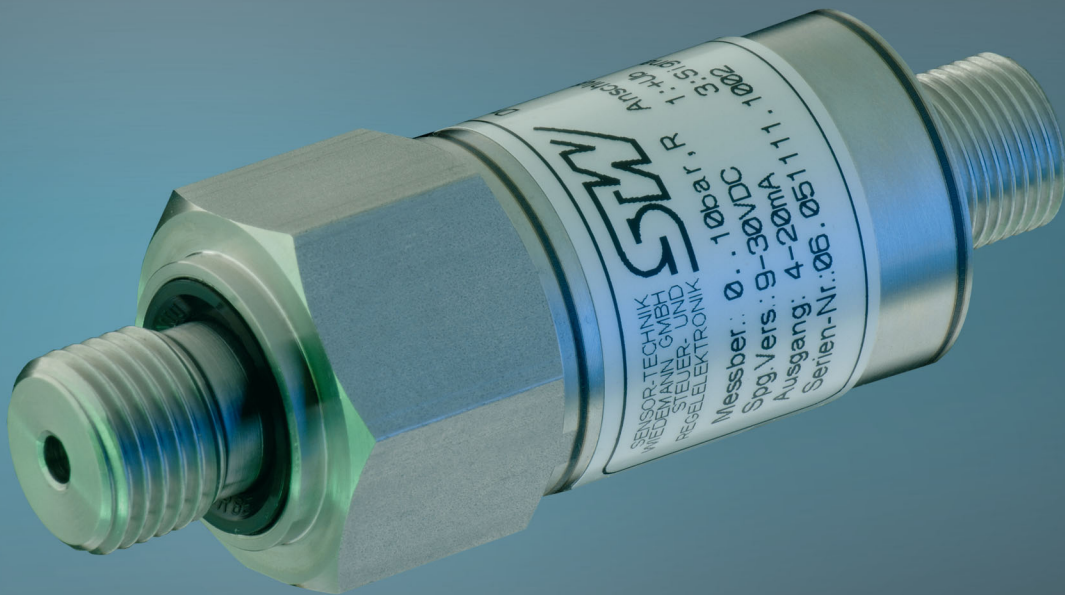


Sensor-Technik Wiedemann GmbH  
Mobile Controllers and Measurement Technologies

**TEC** *Tect Electronics*  
The authorized distributor in the Greater China Region

# Pressure transmitter C02

## Pressure transmitter C02



## Pressure transmitter C02 – for absolute and gauge pressure

### Characteristics

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

### Applications

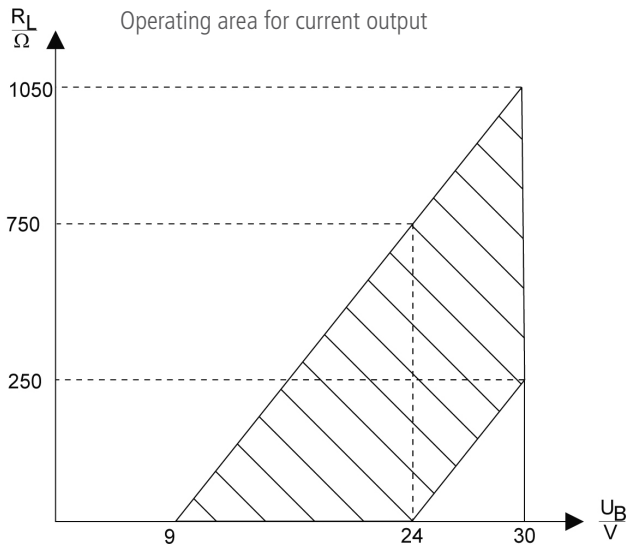
- Hydraulic facilities
- Industry and research process engineering



### Technical specifications

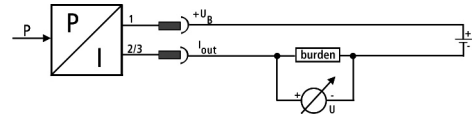
Pressure ranges gauge or abs.		0 ... 1 bar to 0 ... 25 bar, other ranges available free of charge							
Standard pressure range	bar	1	1.6	2.5	4	6	10	16	25
Overload	bar	4	4	6	12	15	25	40	50
Linearity	% FS	1							
Pressure hysteresis and repeability	% FS	0.3							
Thermal effect on zero	% FS/10K	0.3							
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) <span style="float: right;">permissible ripple @ 50 Hz: 10%</span> 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, protection plug according to EN 175301-803 (DIN 43650), 4 pole MPM plug <span style="float: right;">reverse polarity and shortcircuit (not with ratiometric output)</span> (M12-cable-connector not included)							
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 <sub>2</sub> O <sub>3</sub>							

# Pressure transmitter C02 – for absolute and gauge pressure

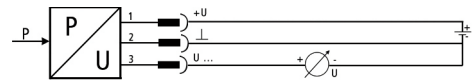


$$\text{max. load } R_L = \frac{U_B - 9 \text{ V}}{0,02 \text{ A}}$$

Electrical connection for 2-wire-technique



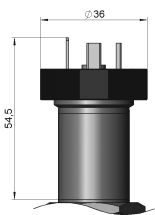
Electrical connection for 3-wire-technique



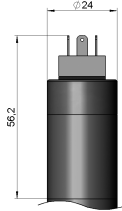
Connection STW-Pressure transmitter

	4-20 mA		0-20 mA
	M12 Stecker	sonst. Stecker	0-10V
+UB	1	1	1
GND	–	–	2
Signal	3	2	3

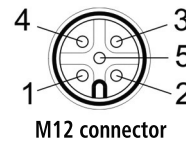
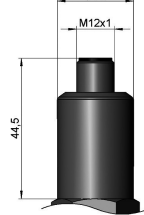
housing/ connector plug according to EN 175301-801



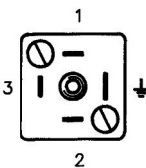
MPM



M12

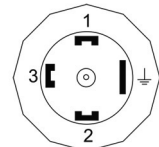


M12 connector



MPM connector

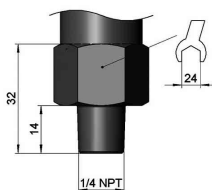
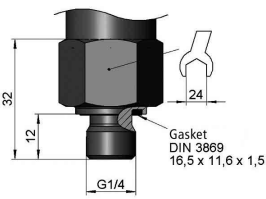
Pin assignment



Connector according to DIN 43650

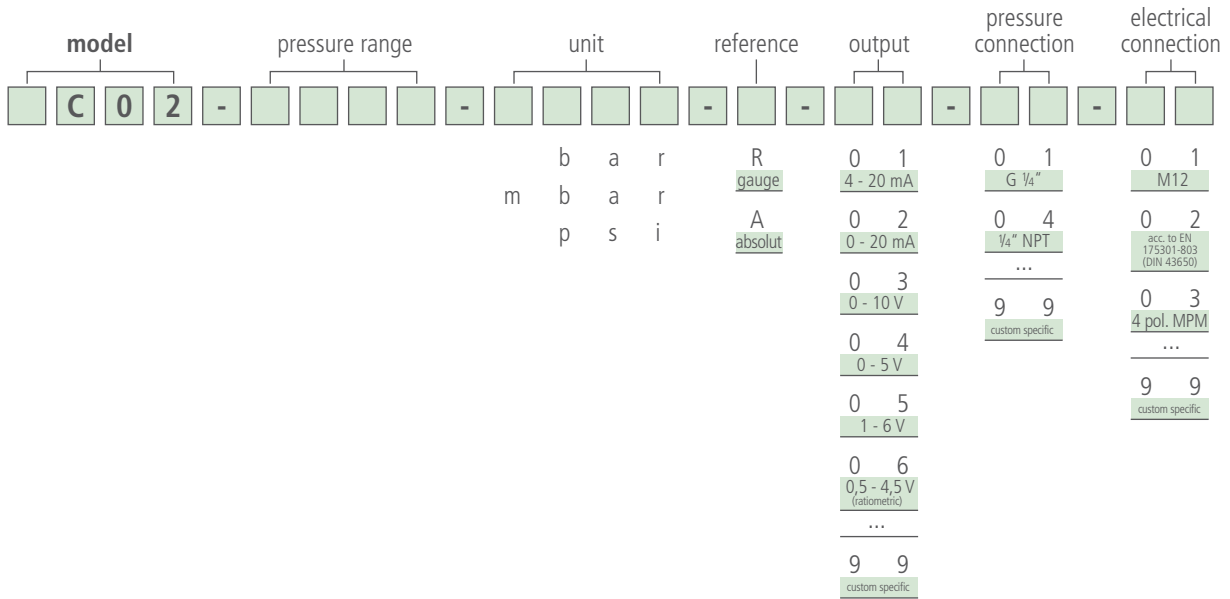
pressure connection  
G 1/4

1/4 NPT



Order codes overleaf!

## Order codes



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