

Pressure transmitter 3100/3200

Technical description

Characteristic		
<ul style="list-style-type: none"> – highly resistant to vibrations and stability – elements made of stainless steel – temperature compensated sensor up to 120 °C – possibility temperature and pressure measuring with one sensor (only voltage output) – small size, perfect for OEM solutions 		
Measuring range		
(0 ÷ 10) up to (0 ÷ 1600) bar		
Accuracy class / Stability		
0,25 / 0,2% full range (3100 series)		
0,5 / 0,2% full range (3200 series)		
Acceptable overload		
Pressure range [bar]	3100 series	3200 series
up to 25	3x range	3x range
from 25 up to 700	2x range	
from 700 up to 1000		1,4x range
from 1000 up to 1800		
Power source		
(8 ÷ 30) V DC - current output		
2 V above output signal up to 30 V DC - voltage output		
Zero tolerance / Span tolerance		
3100 - 0,5%		
3200 - 1%		



Operating conditions	
– temperature of the medium: (-40 ÷ 125) °C	
– temperature of the environment: (-20 ÷ 80) °C	
– compensation temperature: (-20 ÷ 80) °C	

Ordering code

Pressure transmitter		... - ... - ... - ... - ... - ... - ... - ...	
Series:		3100/3200	
temperature range: (-40 ÷ 125) °C		3101/3201	
temperature range: (0 ÷ 100) °C		3102/3202	
temperature range: (0 ÷ 80) °C		3103/3203	
Output:		R - (0 ÷ 5) V	
	B - (4 ÷ 20) mA	H - (1 ÷ 5) V	S - (0 ÷ 10) V
	C - (1 ÷ 6) V	N - (0,5 ÷ 4,5) V	T - (0,5 ÷ 4,5) V ratiometric
Pressure range [bar]		0100G - (0 ÷ 100)	
	0007G - (0 ÷ 7)	0160S - (0 ÷ 160)	
	0010G - (0 ÷ 10)	0250S - (0 ÷ 250)	
	0016G - (0 ÷ 16)	0400S - (0 ÷ 400)	
	0025G - (0 ÷ 25)	0600S - (0 ÷ 600)	
	0040G - (0 ÷ 40)	1000S* - (0 ÷ 1000)	
	0060G - (0 ÷ 60)	1600S* - (0 ÷ 1600)	
Process connection type	01 - G $\frac{1}{4}$ (ext.)	0E - $\frac{1}{4}$ NPT (int.)	
	02 - $\frac{1}{4}$ NPT (ext.)	0K - M14x1,5	
	04 - 7/16-20 (ext.)	0L - M12x1,5	
	05 - G $\frac{1}{4}$ (ext.)	1J - 7/16-20 (ext.)	
	08 - $\frac{1}{8}$ NPT (ext.)	4N - $\frac{3}{8}$ UNF (ext.)	
Electrical connection	B - DIN 9,4 mm connector	3 - $\frac{1}{2}$ NPT	
	E - M12x1P (4-pin)	6 - Amp - Superseal 1,5	
	F - cable version	8 - Deutsch DT04-4P	
	G - DIN 43650 plug	9 - Packard MetriPack	
	R - DIN 9,4 mm connector		
Pulsation damper (3200 only): none with damper			0 R
Cable length		00 - none	03 - 3 m
		01 - 1 m	04 - 4 m
		02 - 2 m	05 - 5 m

* 3100 only

Ordering example

Pressure transmitter 3100 B-0016G-01-3-0-00