

Datasheet

Economy Pressure Transmitter EP200

Introduction

Utilizing a silicon piezoresistive sensor, the EP200 accurately converts measured pressure into standard industrial electrical signals. As a highly cost-effective solution, its robust stainless steel housing, standard 4...20 mA output, and versatile process connections make the EP200 ideal for a wide range of industrial applications.



Characteristics

For industrial applications

Measuring range up to 5800 psi / 400 bar

Compact design - diameter 22mm

2-wire 4...20mA output

Accuracy up to 0.25% of FS

Applications

Hydraulics and pneumatics

Process automation

Pump and compressor

Test equipment

Machinery manufacturing

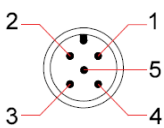
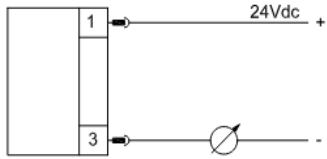
Specifications

Power supply	10...30 VDC
Current consumption	2-wire: same as output (4...20mA)
Current output	Output: 2-wire 4...20mA
	Load RA(Ω): (Us-10)V/0.02A
	Linearity: <0.5% of span
	Response time: ≤ 10ms
	Repeatability: ≤ 0.1% of span
Accuracy	0.5% of FS
	0.25% of FS
Stability(Drift/Year)	≤±0.3% of FS
Temperature	Medium: -4...185°F / -20...85°C
	Ambient: -4...185°F / -20...85°C
Material	Wetted parts: SS 304
	Housing: SS 304
Electrical connection	M12 x 1 plug
Protection class	IP67 (M12 x 1 plug)
Process connection	N1/4", G1/4" male thread, ED sealing

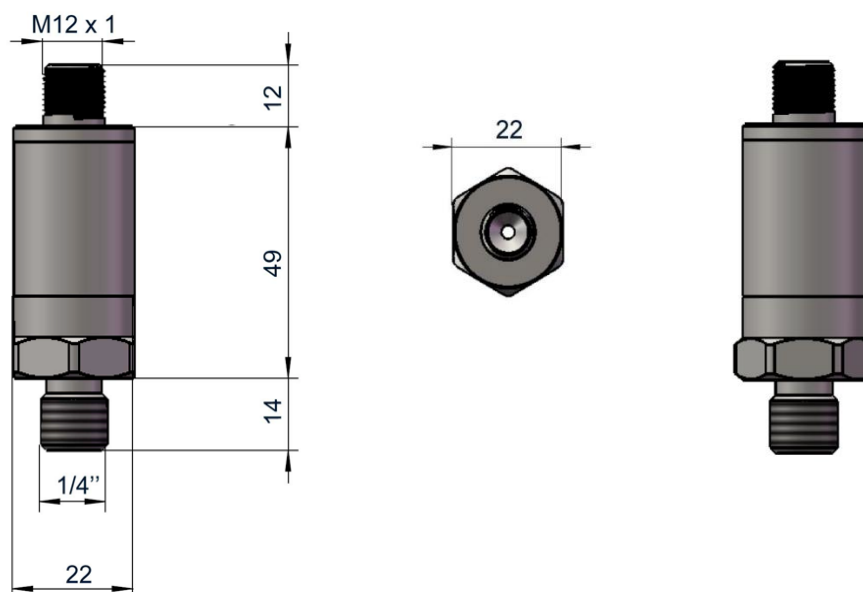
Measuring range code

Code	Measuring Range (psi)		Overload Pressure	Burst Pressure
	psi	bar		
GB1	0...14.5	0...1	Measuring Range x 2	Measuring Range x 3
GB4	0...58	0...4		
GB6	0...87	0...6		
GB10	0...145	0...10		
GB16	0...230	0...16		
GB25	0...360	0...25		
GB40	0...580	0...40		
GB60	0...870	0...60		
GB100	0...1450	0...100		
GB160	0...2300	0...160		
GB250	0...3600	0...250		
GB400	0...5800	0...400		< 21700 psi (1500 bar)

Wiring

M12 plug	2-wire									
 <table><thead><tr><th>Pin</th><th>Color</th><th>Signal</th></tr></thead><tbody><tr><td>1</td><td>Brown</td><td>U+</td></tr><tr><td>3</td><td>Blue</td><td>U-</td></tr></tbody></table>	Pin	Color	Signal	1	Brown	U+	3	Blue	U-	
Pin	Color	Signal								
1	Brown	U+								
3	Blue	U-								

Dimensions in mm



Order Code

Example: EP200-GB1A4CN14M

1. Model

EP200- Economy Pressure Transmitter

2. Measuring range

GB1 Gauge pressure 0...14.5 psi / 0...1bar
Please select a code from measuring range table above

3 Output

A4 4...20mA

4. Accuracy

B 0.25%
C 0.5%

5. Process connection

G14 G1/4" male thread
N14 NPT1/4" male thread
U716 7/16"-20 UNF
Other connection on request

6. Electrical connection

M M12 x 1 plug

Accessory - power/signal cable with socket

1. Connecting cable with socket

ET05- 5-pin M12 x 1 connecting cable with socket

2. Material

PU Material: PUR

3. Length

02 6.5ft / 2m (default)

05 16.5ft / 5m

4. Type

R Regular cable

S Shielded cable

5. Connector

G Straight socket

W Angled socket



Accessory - wirable plug

1. Wirable plug

ST05 5-pin M12 x 1 wirable plug

