

P7620A

Pressure Transmitters/Transducers

PRODUCT DATA

GENERAL

The P7620A industrial pressure transmitters/transducers are ideal for general purpose industrial applications with considering the performance, reliability and cost. The output signal of the sensing bridge converts to a standardized current or voltage signal through surface mount technology circuit board. This high level signal output with very low noise system is packaged in a rugged stainless steel housing to resist the harsh and extreme environment conditions. Each transmitter is inspected and calibrated to ensure its quality.

FEATURES

- Temperature compensated
- Built-in Amplifier
- High level current Output Signal
- EMI/RFI protected
- Compact construction
- Shock and vibration resistance
- Zero and span adjustments
- False system shutdown prevention

SPECIFICATIONS

Performance characteristics:

Accuracy at 25°C (linearity, hysteresis, repeatability)	$\leq \pm 0.5\% \text{ F.S.}$
Stability at 25°C	$\leq 0.4\% \text{ F.S./year}$
Thermal Effect	$\leq \pm 0.08\% \text{ F.S./}^\circ\text{C}$

Environment characteristics:

Media temperature range:	-25... +85°C
Ambient temperature range:	0... +70°C
Storage temperature range:	-25... +85°C
Compensated range:	-40... +135°C
Weatherproof rating:	IP 65



Physical characteristics:

Housing:	304 stainless steel
Fitting material:	304 stainless steel
Ceramic Sensor:	Aluminum Oxide Al ₂ O ₃ (96%)
Seal Material:	NBR
Connection:	G 1/2
Electrical Connector:	Terminal Box to DIN43650
Proof Pressure	2 times of pressure range
Burst Pressure	5 times of pressure range (See Model Selection)

Note: The wetted parts including fitting, sensor and sealing will be contacted with the media directly.

Electrical Data (Current Output):

Output Signal:	4-20mA (2 Wire)
Power Requirement:	10-32 VDC Normal 24 VDC
Load Resistance:	$\leq (\text{supply voltage} - 10\text{V}) / (0.02\text{A})$ Ohms

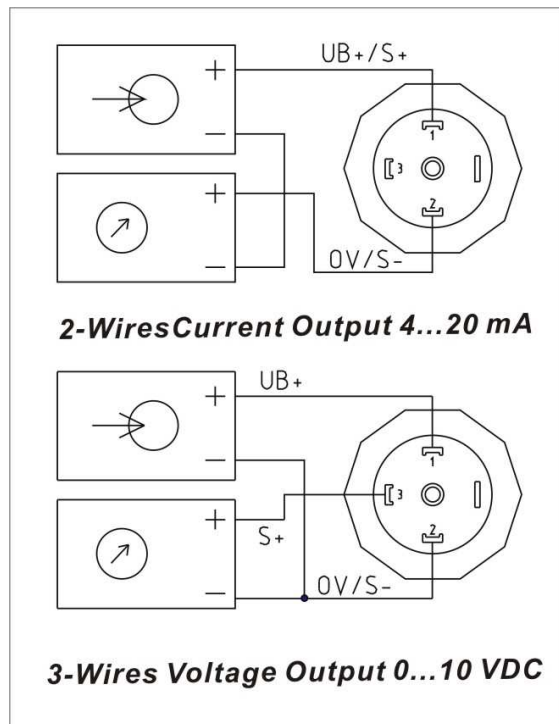
Electrical Data (Voltage Output):

Output Signal:	0-10VDC (3 Wires)
Power Requirement:	15-32 VDC Normal 24 VDC
Load Resistance:	>10K Ohms

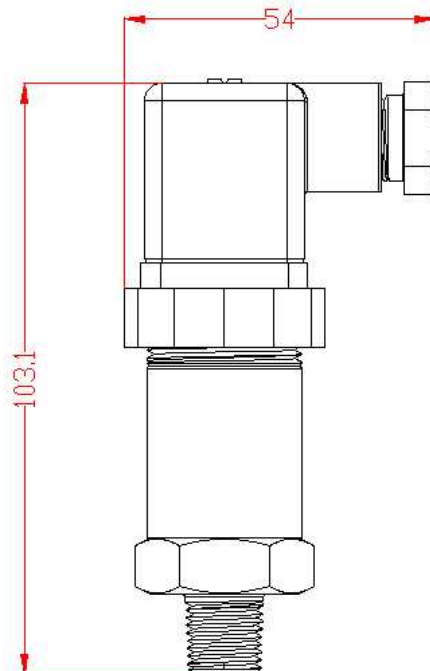
Applications

- Industrial OEM equipments
- Hydraulic monitoring systems
- Compressor controls
- Pneumatic systems
- Pump applications
- HVAC systems

Wiring



Dimension



Model Selection

P 7 6 2 0 A X X X X X - X - X X

Pressure Range

0....1 Bar(Burst Pressure 5 Bar)	1	0	0	1
0....2 Bar(Burst Pressure 10 Bar)	1	0	0	2
0....4 Bar(Burst Pressure 25 Bar)	1	0	0	6
0....6 Bar(Burst Pressure 30 Bar)	1	0	0	4
0....10 Bar(Burst Pressure 50 Bar)	1	0	1	2
0....16 Bar(Burst Pressure 80 Bar)	1	0	1	6
0....20 Bar(Burst Pressure 100 Bar)	1	0	1	8
0....25 Bar(Burst Pressure 150 Bar)	1	0	2	0
0....40 Bar(Burst Pressure 200 Bar)	1	0	4	0
-1....0 Bar(Burst Pressure 4 Bar)	1	0	V	1

Output Signal

4-20mA...2 Wire	A
0-10VDC...3 Wire	B

Optional Process Connection

R 1/4 Process Connection	1
1/2"NPT Process Connection	2

Optional Application

For acid corrosive media applications	S	V
For ammonia and freon applications	A	N
For alkaline media applications	S	E

Honeywell