

Sanitary, Rangeable, Pressure Transmitters with Display

Product Details

Omega's PX3005K is a compact, rangeable, digital sanitary pressure transmitter that is ideal for monitoring pressures in food and pharmaceutical industries where a flush diaphragm design is required. The rugged 316 stainless-steel enclosure is IP67 rated making it suitable for washdown environments. A 5-digit backlit LCD allows for full precision representation of process variable. This hygienic design, the OMEGA PX3005K has been issued 3-A symbol authorization and meets the requirements of the 3-A Sanitary Standards. The best choice for process automation and tank level applications where consistent reliable pressure management are essential.

Features

- For Sanitary or CIP (Clean-in-Place) Applications
- The OMEGA PX3005K has been issued 3-A symbol authorization and meets the requirements of the 3-A Sanitary Standards for food, beverage, dairy, and pharmaceutical applications
- IP67 316 SS enclosure protects against harsh environments
- 5 digit display for easy monitoring
- ± 0.2% URL accuracy for precise pressure measurements



Accuracy: ±0.2TD% SPAN

Supply Voltage: 10.5 to 55VDC

Output Signal: 4-20mA Two wire

Sensor Response Time: 200 mS

Operating Temperature: -20 to 70°C (-4 to 160°F) Storage Temperature: -40 to 85°C (-40 to 185°F) Media Temperature: -40 to 120°C (-40 to 250°F)

Environmental Rating: IP67

Media: Fluids and gasses compatible with 316 SS and FKM

Process Connection/Material: Tri-Clamp Electrical Connection: 4 pin male M12 Isolating Diaphragm: 316L SS Sensor Fill Fluid: Silicone Oil

Sensor Fill Fluid: Silicone Oil Sensor Seal: O-ring, FKM Housing Material: >316 SS

Long Term Stability: ± 0.1% URL / year Damping Time: Selectable, 0 to 100 S Load Resistance: <(U-10.5)/0.021 Transmission Distance: < 1000m

Power Consumption: 500mW(20.8mA output @ 24VDC)
Ambient Temperature Effects (-20°C to 70°C): ±(0.1+0.1TD)

% SPAN

Power Supply Effects: ± 0.005TD% SPAN/V (Zero and Span) Mounting Position Effects: Apply to any position. Install error

less than 0.06 psi can be corrected by PV=0 reset. **Vibration Effects:** GB/T 1827.3/IEC61298-3 tests,20g

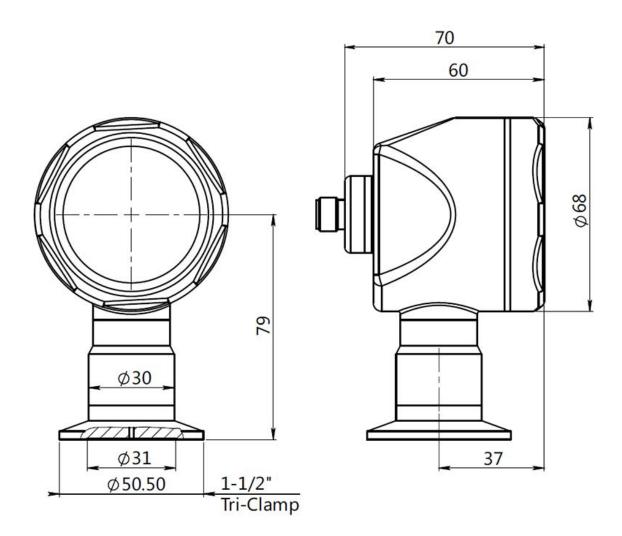
(5-2000HZ, max <±3mm) <0.1% URL

Weight: 1.14 lbs



Product Number	Pressure Range	Pressure Type
1.5" port size		
PX3005K01-005GI	-5 to 5 psi	Compound gauge
PX3005K01-003GI	-3 to 3 psi	Compound gauge
PX3005K01-015GI	-15 to 15 psi	Compound gauge
PX3005K01-030GI	-15 to 30 psi	Compound gauge
PX3005K01-100GI	-15 to100 psi	Compound gauge
PX3005K01-150GI	-15 to150 psi	Compound gauge
PX3005K01-250GI	-15 to 250 psi	Compound gauge
PX3005K01-300GI	-15 to 300 psi	Compound gauge
2" port size		
PX3005K02-003GI	-3 to 3 psi	Compound gauge
PX3005K02-005GI	-5 to 5 psi	Compound gauge
PX3005K02-015GI	-15 to 15 psi	Compound gauge
PX3005K02-030GI	-15 to 30 psi	Compound gauge
PX3005K02-100GI	-15 to100 psi	Compound gauge
PX3005K02-150GI	-15 to150 psi	Compound gauge
PX3005K02-250GI	-15 to 250 psi	Compound gauge
PX3005K02-300GI	-15 to 300 psi	Compound gauge





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