



P6420-57

Sensit Abrasive Material Pressure Transmitter

The Sensit P6420-57 is a pressure transducer having a two wire, 4-20mA output. It is available in standard ranges from 5 bar to 50 bar, or may be scaled to customer requirements.



DESCRIPTION

The P6420-57 pressure transducer is based on a fouractive arm strain gauge bridge fused to a high purityceramic diaphragm, offering high natural outputcoupled with superboxemical and corrosionresistance. It has been designed primarily for use withconcrete slurry and other abrasive fluids and has acavity free, flush sensing diaphragm covered by aflexible polypropylene shield. It offers a two wire, 4-20mA output proportional tofluid pressure with other outputs available asoptions. The sensing element and its associate-delectronics are housed in a rugged stainless steelcase.

FEATURES

- Superb chemical and corrosion resistance
- 4-20mA, two wire operation (option 5-21mA)
- Unrivalled abrasion resistance
- Wide temperature range
- High electrical isolation
- Rugged construction
- Excellent long term stability

APPLICATIONS

- Concrete pumping & other abrasive applications
- Gypsum
- Brick dust
- Clay

SPECIFICATION

- Pressure Range
 - 5,10, 20, & 50 bar SG and G
- Excitation

10-32Vdc unregulated

- Output
 - Span: 16mA +1% of span at pressure
 - Zero: 4mA +1% of span at zero pressure
- Non Linearity, Hysteresis & Repeatability (NLH)
 <+1% of span (best fit straight line)
- Operating Temp Range
 - -25oC to +100oC
- Safe Over-range

1.5 times rated range

- Burst Pressure
 - 3 times rated range minimum
- Insulation Resistance

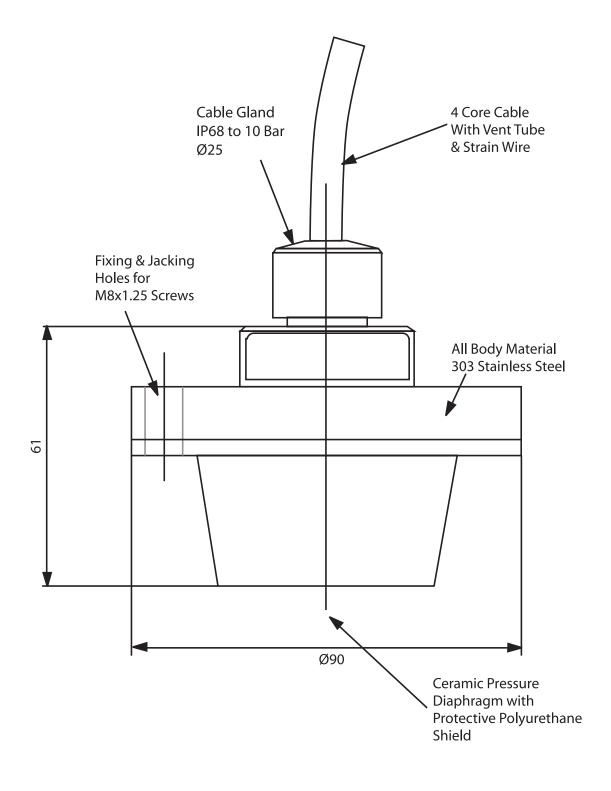
>500M Ω at 500Vdc, over the operable temperature range

- Loading Driving
 - 1k Ω @ 28Vdc supply
- Environmental Protection
 IP68
- Electrical Connections
 Cable





DIMENSIONAL DETAILS / DIMENSIONS (mm)



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The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.