

### P6420-67 Abrasive Material Pressure Transmitter

The P6420-67 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 P6420-67 pressure transducer is based on a four active arm strain gauge bridge fused to a high purity ceramic diaphragm, offering high natural output coupled with superb chemical and corrosion resistance. It has been designed primarily for use with slurry and other abrasive fluids and has a cavity free, flush sensing diaphragm covered by a flexible polypropylene shield.

It offers a two wire, 4-20mA output proportional to fluid pressure with other outputs available as options. The sensing element and its associated electronics are housed in a rugged stainless steel case.

#### FEATURES

- Superb chemical and corrosion resistance
- 4-20mA, two wire operation
- Unrivalled abrasion resistance
- Wide temperature range
- High electrical isolation
- Rugged construction
- Excellent long term stability
- Temperature compensated

#### APPLICATIONS

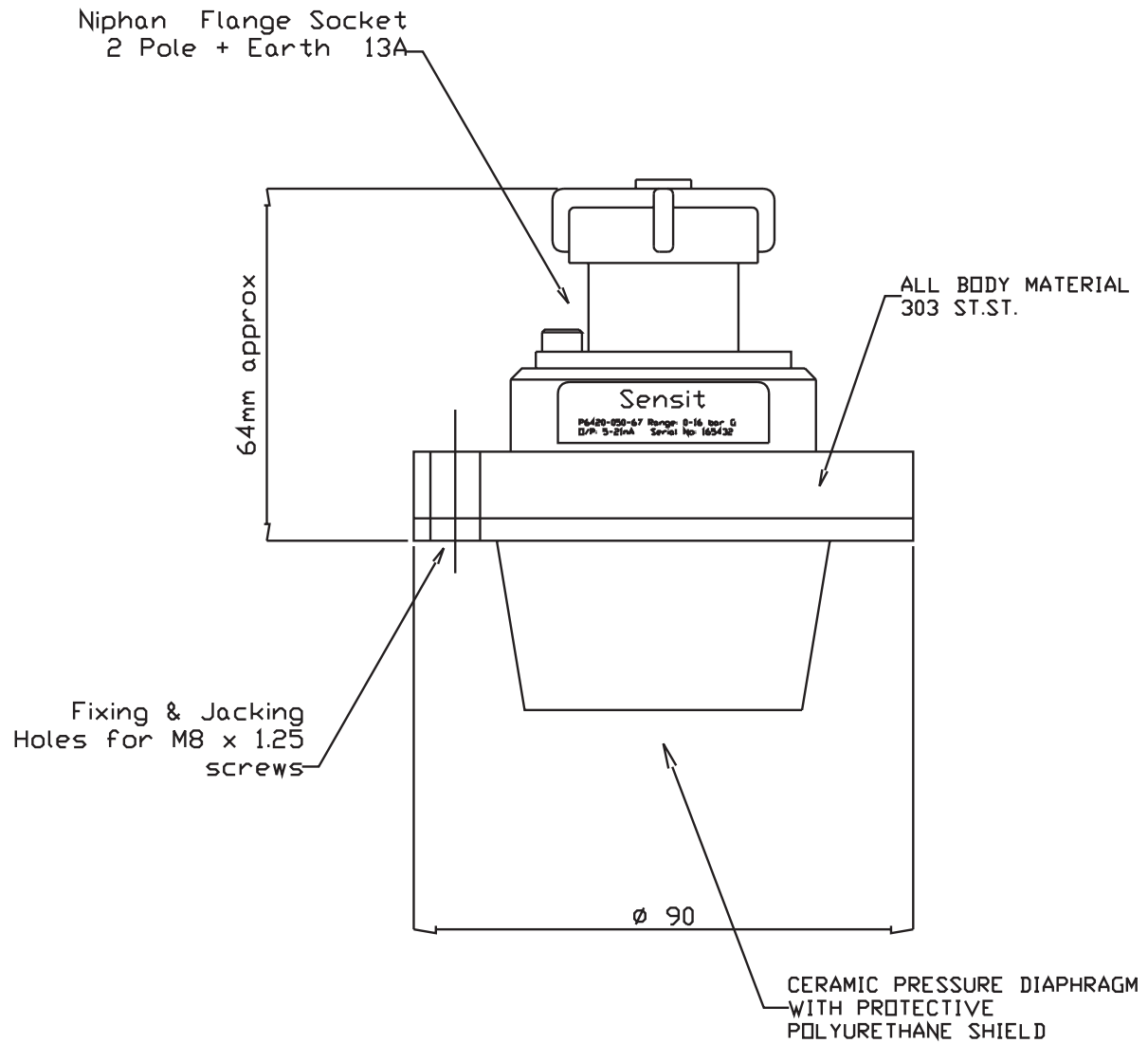
- Concrete pumping & other abrasive applications
- Gypsum
- Brick dust
- Clay

#### SPECIFICATION

<b>Pressure Range</b>	8, 10, 16, 20 and 50 bar SG and G
<b>Excitation</b>	10-32Vdc unregulated
<b>Output</b>	Span Zero 16mA ±1% 4mA ±1% of span
<b>Non Linearity, Hysteresis &amp; Repeatability (NLH)</b>	<±5% of span (best fit straight line)
<b>Operating Temp Range</b>	-25°C to 100°C
<b>Safe Over-range</b>	1.5 times rated range
<b>Burst Pressure</b>	3 times rated range minimum
<b>Insulation Resistance</b>	>500M Ω at 500Vdc, over the operable temperature range
<b>Loading Driving</b>	1k Ω @ 28Vdc supply
<b>Environmental Protection</b>	IP66
<b>Electrical Connections</b>	Niphan plug and socket



## DIMENSIONAL DETAILS



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