

P6420-67 Abrasive Material Pressure Transmitter



DS2815

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

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.

SPECIFICATION

Pressure Range	8, 10, 16, 20 and 50 bar SG and G
Excitation	10-32Vdc unregulated
Output	Span 16mA \pm 1%
	Zero 4mA \pm 1% of span
Non Linearity, Hysteresis & Repeatability (NLH)	< \pm 5% of span (best fit straight line)
Operating Temp Range	-25°C to 100°C
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	IP66
Electrical Connections	Niphan plug and socket

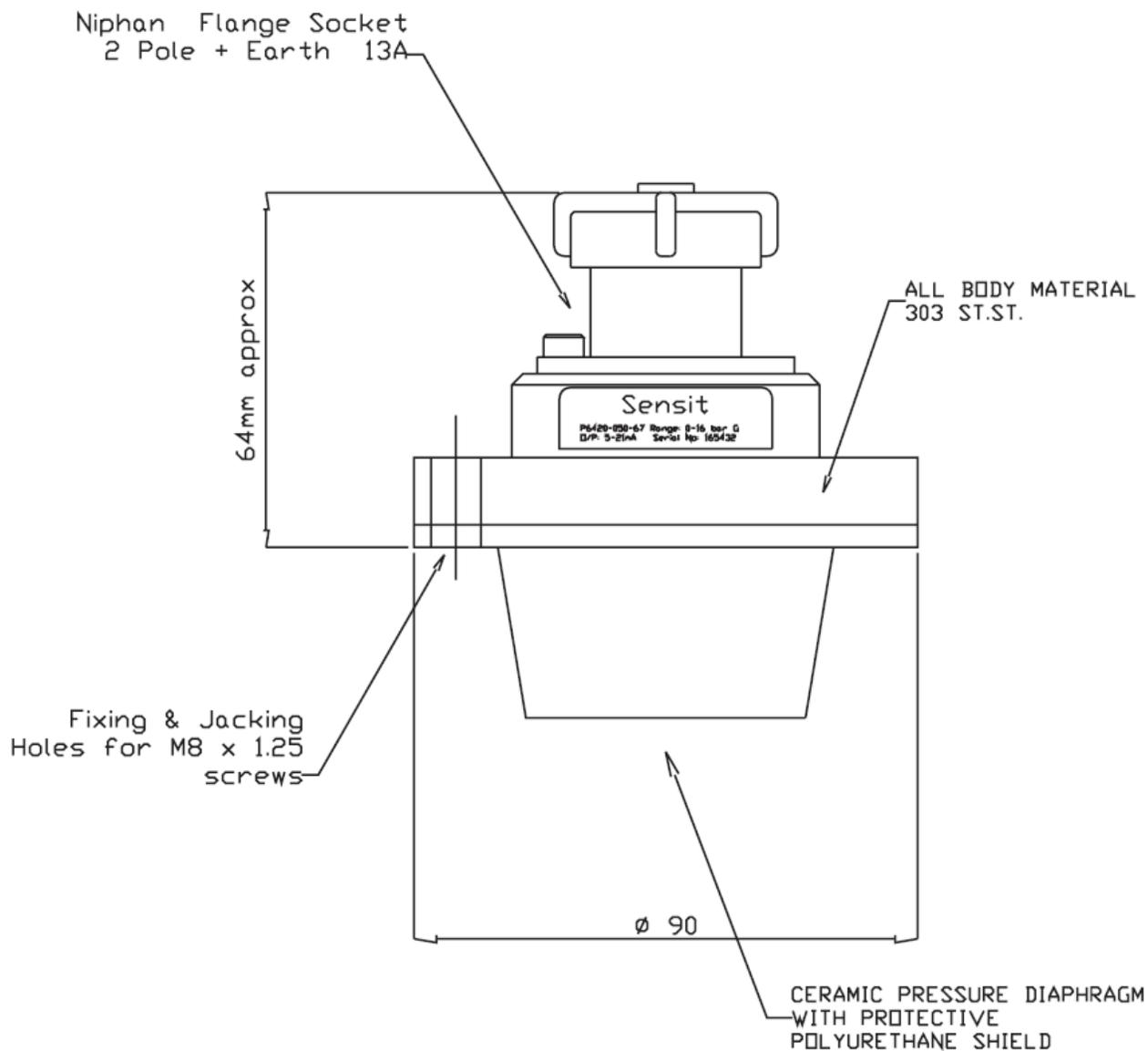


General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

TT Electronics | Roxspur Measurement & Control
2 Downgate Drive, Sheffield, South Yorkshire, S4 8BT, UK | Ph: +44 (0) 114-244-2521
www.ttelectronics.com | RoxspurSales@ttelectronics.com

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