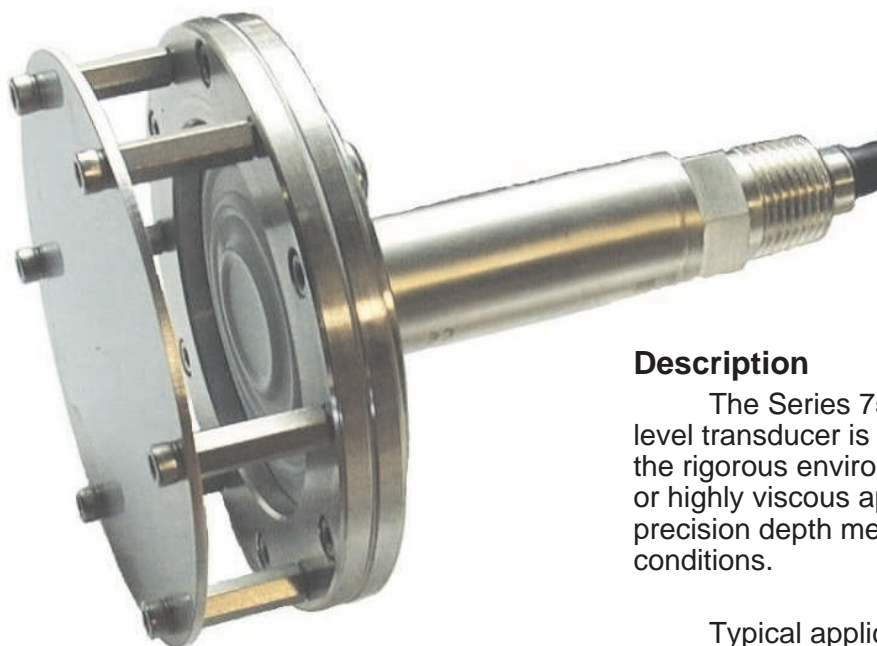


Series 750 Non-Fouling Submersible Transducer



Description

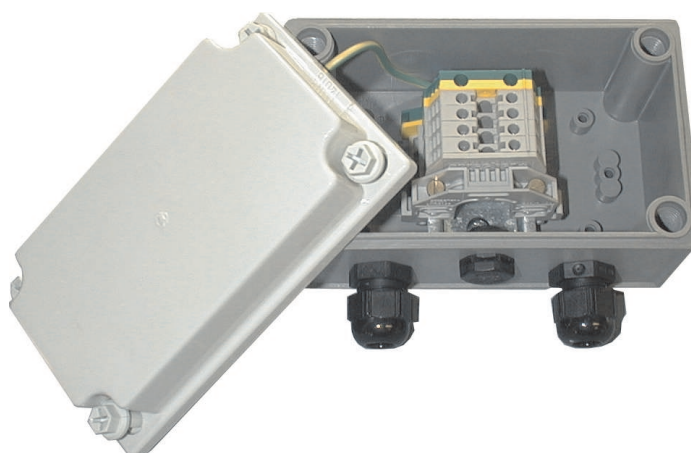
The Series 750 submersible hydrostatic level transducer is specifically designed to meet the rigorous environments encountered in slurry or highly viscous applications. It provides precision depth measurement under most hostile conditions.

Typical applications could include well monitoring, rural dam level indication, sewerage processing applications and other places where the conditions could lead to fouling and blockages if ported liquid level sensors were used.

A terminating and moisture protection enclosure is available as an option for the Series 750 transducers. The enclosure is fitted with a hydrophobic filter to prevent the ingress of moisture to the cable vent tube.

Features and Specifications

- Ranges 0-3m wG to 0-35m wG
- 4-20mA or 0-5VDC output.
- Accuracy of $\pm 0.25\%$ FS
- Non-clogging sensing area 70mm in diameter
- Integral diaphragm protector
- Temperature compensated (0°C to 50°C)
- -20°C to 60°C operating range
- High static accuracy & repeatability
- Computer tested & calibrated
- Welded 316 stainless steel construction
- Shielded cable with polyurethane cable jacket (Tefzel optional)
- Unique cable seal system
- 12 months warranty



Terminating & moisture protection enclosure
Part Number: PL-TERM-SG/TX-E

PRES750-1.0-0

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SPECIFICATIONS

Specifications are subject to change without notice

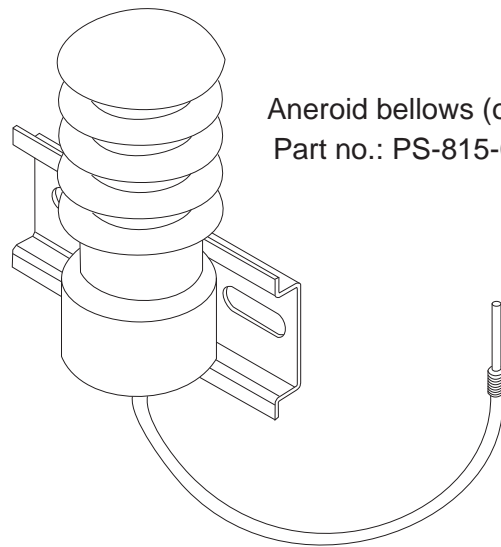
- Depth ranges: 0-3m wG (0-300mbar) to 0-35m wG (0-3.5bar)
- Proof Pressure: 1.5 x F.S.
- Burst Pressure: 2.0 x F.S.
- Compensated Temperature Range: 0°C to 50°C
- Operating Temperature Range: -20°C to 60°C
- Static Accuracy: ±0.25% FSO best fit straight line
- Thermal error: ±0.1% FSO/°C
- Resolution: Infinitesimal
- Excitation: 9 - 30 VDC
- Input current: 20mA max. for mA output
3.5 mA for VDC output
- Zero offset: ±0.2mA for mA output
< 0.25 VDC for VDC output
- Pressure Connection: Non-fouling diaphragm
- Electrical Connection: Standard submersible cable exit
- Wiring: 4-20mA Output
Red + excitation
Black - excitation
Drain wire shield
0-5VDC Output
Red + excitation
Black - excitation
White + signal
Drain wire shield
- Cable: Polyurethane jacketed shielded cable with polyethylene vent tube and Kevlar tension members; 90 kg pull strength
- Wetted Materials: 316 SS, Delrin, Teflon, polyurethane or Viton
- Dimensions: 104mm (dia) x 205mm (l)

Desiccant moisture barrier



Part no.: PS-810-000-0000

Aneroid bellows (optional)
Part no.: PS-815-000-0000



Dimensions

