

Submersible Pressure Transmitters

Seametrics PS9800 and PS98i Pressure Transmitters

Seametrics PS9800 and PS981 pressure transducers are designed to provide trouble-free submersible operation in liquid environments. They feature a rugged and stable piezo-electric media isolated pressure element that is calibrated using process controlled NIST traceable equipment.

FEATURES

- 4-20mA current loop for process control applications
- Thermally compensated pressure measurements
- Lower Power (9-30V DC)
- Small Diameter – 0.75"
- Reverse polarity protection
- Under and over-current limitations
- Built-in transient protection
- Optional end cone adapter for 300psi max. operation
- Optional temperature available on PS9800 models

APPLICATIONS

- Pump and slug testing
- River, stream, reservoir gauging
- Storm water runoff monitoring
- Wetland monitoring
- Water resource management
- Pump level control



Seametrics PS9800
Pressure Transmitter

Seametrics PS98i
Pressure Transmitter

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

2650 East 40th Avenue • Denver, Colorado 80205

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Submersible Pressure Transmitters



Seametrics PS9800 and PS98i Pressure Transmitters

SPECIFICATIONS

PS9800

| | | | | |
|------------------------------------|--|--|---|--|
| Housing | Weight | 0.8 lb. (0.4 kg) | | |
| | Length | 8.44" (21.4 cm) | | |
| | Diameter | 0.75" (1.9 cm) | | |
| | Body Material | Acetal and 316 stainless or optional titanium | | |
| Wire Seal Material | Fluoropolymer and PTFE | | | |
| Cable | Cable | Submersible: Polyurethane, polyethylene, or ETFE available | | |
| | Desiccant | 1-3 mm indicating silica gel | | |
| | Field Connector | Available as an option | | |
| Operating Temperature Range | Recommended: -5° to 70°C (23° to 158°F) Requires freeze protection if using in water below freezing. | | | |
| Transmitter Voltage | 9-24V DC (100ms warmup) | | | |
| Output | 4-20mA | | | |
| Output Channels | Temperature (optional) | Pressure¹ | | |
| | Element | Thermistor | Silicon strain gauge transducer, 316 stainless or Hastelloy | |
| | Accuracy | ±0.3°C (typical at 25°C) ±0.75°C (max. at 25°C) | ±0.1% FSO (static, B.F.S.L. 20°C) | |
| | Range | 0° to 50°C (32° to 122°F) | Gauge PSI: 5, 15, 30, 50, 100, 300 FtH ₂ O: 12, 35, 69, 115, 231, 692 mH ₂ O: 3.5, 10.5, 21, 35, 70, 210 Absolute ² PSI: 30, 50, 100, 300 FtH ₂ O: 35, 81, 196, 658 mH ₂ O: 10, 24, 59, 200 | |
| Compensated | – | 0° to 50°C (32° to 122°F) | | |
| Maximum Operating Pressure | 1.1 x FS | | | |
| Burst Pressure | 3.0 x FS (for >300 psi (650 ft., 200m) contact Seametrics representative) | | | |
| Regulatory | CE | | | |

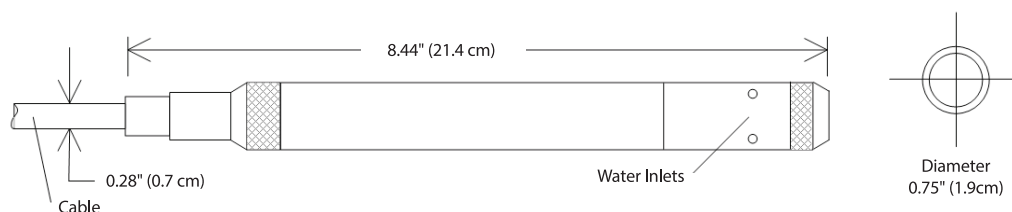
PS98i

| | | | |
|------------------------------------|--|---|---|
| Housing | Weight | 0.8 lb. (0.4 kg) | |
| | Length | 8.44" (21.4 cm) | |
| | Diameter | 0.75" (1.9 cm) | |
| | Body Material | Acetal and 316 stainless or optional titanium | |
| Wire Seal Material | Fluoropolymer and PTFE | | |
| Cable | Cable | Submersible: Polyurethane, polyethylene, or ETFE available | |
| | Desiccant | 1-3 mm indicating silica gel | |
| | Field Connector | Available as an option | |
| Operating Temperature Range | Recommended: -5° to 70°C (23° to 158°F) Requires freeze protection if using in water below freezing. | | |
| Transmitter Voltage | 9-24V DC (100ms warmup) | | |
| Output | 4-20mA | | |
| Pressure | Element | Silicon strain gauge transducer, 316 stainless or Hastelloy | |
| | Accuracy | ±0.25% FSO (static, B.F.S.L. 20°C) | |
| | Range | Gauge | PSI: 1, 5, 15, 30, 50, 100, 300 FtH ₂ O: 2.3, 12, 35, 69, 115, 231, 692 mH ₂ O: 0.7, 3.5, 10.5, 21, 35, 70, 210 |
| | Compensated | Absolute ² | PSI: 30, 50, 100, 300 FtH ₂ O: 35, 81, 196, 658 mH ₂ O: 10, 24, 59, 200 |
| Maximum Operating Pressure | 1.1 x FS | | |
| Burst Pressure | 3.0 x FS (for >300 psi (650 ft., 200m) contact Seametrics representative) | | |
| Regulatory | CE | | |

* Specifications subject to change. Please consult our web site for the most current data.

1 Higher pressure ranges available upon request.

2 Depth range for absolute sensors has 14.7 PSI subtracted to give actual depth allowed.



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