

PS98i

4-20mA SUBMERSIBLE PRESSURE TRANSMITTER



APPLICATIONS

- Pump and slug tests
- River, stream, reservoir gauging
- Stormwater runoff monitoring
- Wetland Monitoring
- Well, tank, tidal levels
- Flow monitoring
- Water resource management
- Landfill leachate levels
- Control applications

Features

- Pressure
- $\pm 0.25\%$ FSO accuracy
- Lower power (9-30Vdc)
- Small diameter—0.75" (1.9cm)
- 1/4" NPT end cone adapter option (300psi max.)

The **Seametrics PS98i** pressure transmitters are rugged and accurate with great noise immunity, transient protection, and thermal performance.

These pressure sensors have been designed to provide trouble-free submersible operation in liquid environments. Pressure is measured with an extremely rugged and stable piezo-electric, media isolated pressure element and calibrated with well established calibration procedures and NIST traceable equipment.

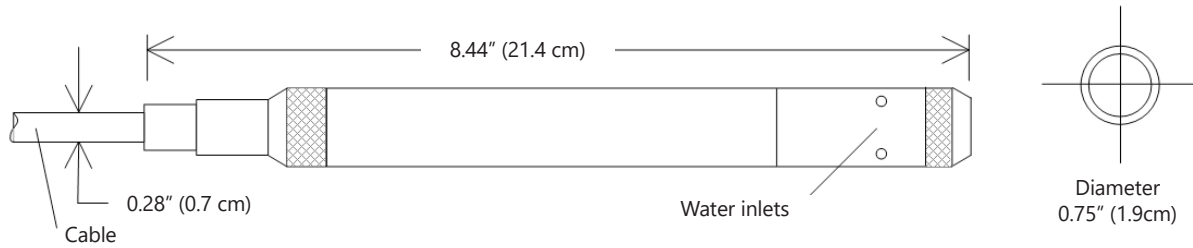
The PS98i sensors are thermally compensated, making them great where water temperatures vary, as they are thermally stable (2% over 50 degrees standard).

These industry standard, 2-wire, 4-20mA devices offer reverse polarity protection, under- and over-current limitation, and built-in transient protection.

Contact Your Supplier



Dimensions



Specifications

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		9-24Vdc (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	<table border="0"> <tr> <td>Gauge</td> <td>PSI: 1, 5, 15, 30, 50, 100, 300</td> </tr> <tr> <td></td> <td>FtH₂O: 2.3, 12, 35, 69, 115, 231, 692</td> </tr> <tr> <td></td> <td>mH₂O: 0.7, 3.5, 10.5, 21, 35, 70, 210</td> </tr> <tr> <td>Absolute²</td> <td>PSI: 30, 50, 100, 300</td> </tr> <tr> <td></td> <td>FtH₂O: 35, 81, 196, 658</td> </tr> <tr> <td></td> <td>mH₂O: 10, 24, 59, 200</td> </tr> </table>	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	Absolute ²	PSI: 30, 50, 100, 300		FtH ₂ O: 35, 81, 196, 658		mH ₂ O: 10, 24, 59, 200
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Compensated	0° to 50°C (32° to 122°F)													
Max operating pressure		1.1 x FS												
Burst pressure		3.0 x FS (for >300 psi (650ft, 200m) contact INW representative)												
Regulatory		CE												

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

1 Higher pressure ranges available upon request

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