

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 (9-24Vdc)
- 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.

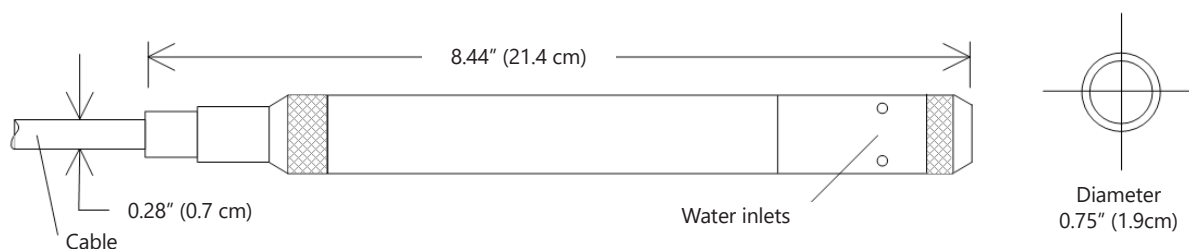
The PS98i sensors are thermally compensated, making them great where water temperatures vary, as they are thermally stable (2% over 50 degrees standard).

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	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 ¹ 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)
Max operating pressure		1.1 x FS
Burst pressure		3.0 x FS (for >300 psi (650ft, 200m) contact Seametrics representative)
Regulatory		C E

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

¹ Depth range for absolute sensors has 14.7 PSI subtracted to give actual depth allowed.