

PS9800

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 (temperature optional)
- $\pm 0.1\%$ FSO accuracy
- Lower power (9-24Vdc)
- Small diameter—0.75" (1.9cm)
- 1/4" NPT end cone adapter option (300psi max.)

The **Seametrics PS9800** 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.

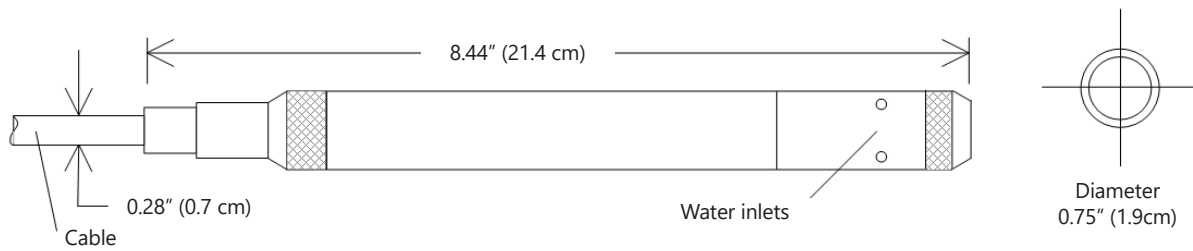
The PS9800 sensors are thermally compensated, making them great where water temperatures vary, as they are thermally stable (2% over 50 degrees standard).

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

Size	Weight	0.8 lb. (0.4 kg)	
	Length	8.44" (21.4 cm)	
	Diameter	0.75" (1.9 cm)	
Wetted Materials	Body Material	Acetal and 316 stainless or optional titanium	
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		
Output Channels		Temperature (optional)	Pressure
	Element	Thermistor	Silicon strain gauge transducer, 316 stainless or Hastelloy
	Accuracy	±0.3°C (typical at 25°C) ±0.75°C (maximum 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 ¹ PSI: 30, 50, 100, 300, 500 FtH ₂ O: 35, 81, 196, 658, 1000 mH ₂ O: 10, 24, 59, 200, 340
	Compensated	---	0° to 50°C (32° to 122°F)
Max operating pressure	1.1 x FS		
Burst pressure	3.0 x FS (up to 600 psi max)		
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.

User is responsible for reviewing end use application with their supplier for product suitability.