

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 (9-30Vdc)
- 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.

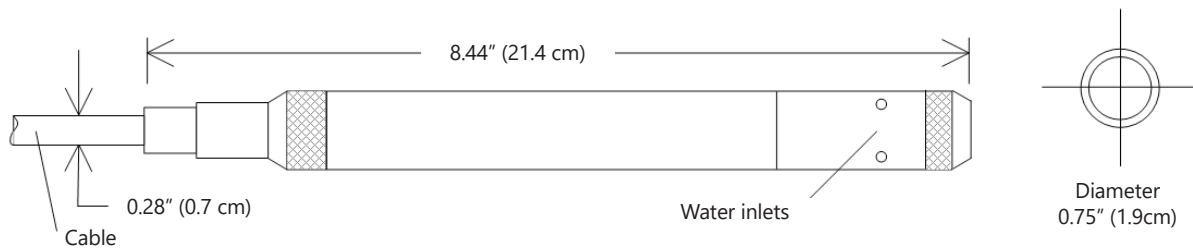
The PS9800 sensors are thermally compensated, making them great where water temperatures vary, as they are thermally stable (2% over 50 degrees standard).

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

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			
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 (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 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)	
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 Higher pressure ranges available upon request

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