

# EcoPRO and EcoPRO+

## 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

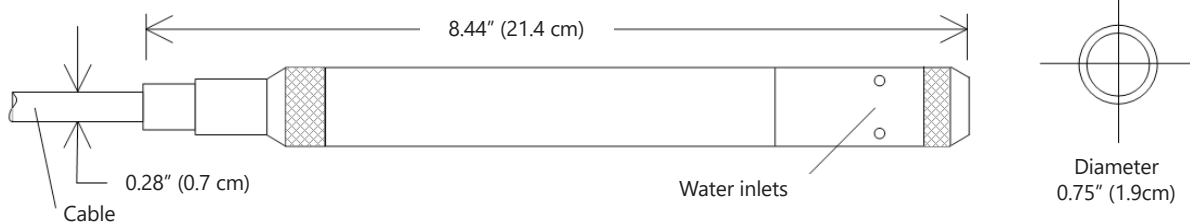
- Pressure (temperature optional on EcoPRO+)
- $\pm 0.1\%$  FSO accuracy (EcoPRO+)  
 $\pm 0.25\%$  FSO accuracy (EcoPRO)
- Lower power (9-30Vdc)
- Small diameter—0.75" (1.9cm)
- 1/4" NPT end cone adapter option (300psi max.)

The EcoPRO and EcoPRO+ pressure sensors 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.

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

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



### Contact Your Supplier

**EcoPRO and EcoPRO+**  
4-20mA SUBMERSIBLE  
PRESSURE TRANSMITTER



**Specifications**

<b>Housing</b>	<b>Weight</b>	0.8 lb. (0.4 kg)	
	<b>Length</b>	8.44" (21.4 cm)	
	<b>Diameter</b>	0.75" (1.9 cm)	
	<b>Body Material</b>	Acetal and 316 stainless or optional titanium	
	<b>Wire Seal Material</b>	Fluoropolymer and PTFE	
<b>Cable</b>	<b>Cable</b>	Submersible: HDPE	
	<b>Desiccant</b>	1-3 mm indicating silica gel	
	<b>Field Connector</b>	Available as an option	
<b>Operating Temperature Range</b>		Recommended: -5° to 70°C (23° to 158°F) Requires freeze protection if using in water below freezing.	
<b>Transmitter Voltage</b>		9-24Vdc (100ms warmup)	
<b>Output</b>		4-20mA	
<b>Output Channels</b>	<b>Temperature</b> <i>(option on EcoPRO+ only)</i>	<b>Pressure</b> <sup>1</sup>	
	<b>Element</b>	Thermistor	Silicon strain gauge transducer, 316 stainless or Hastelloy
	<b>Accuracy</b>	±0.3°C (typical at 25°C) ±0.75°C (maximum at 25°C)	EcoPRO+: ±0.1% FSO (static, B.F.S.L. 20°C) EcoPRO: ±0.25% FSO static, B.F.S.L. 20°C)
	<b>Range</b>	0° to 50°C (32° to 122°F)	Gauge PSI: 5, 15, 30, 50, 100, 300 FtH <sub>2</sub> O: 12, 35, 69, 115, 231, 692 mH <sub>2</sub> O: 3.5, 10.5, 21, 35, 70, 210  Absolute <sup>2</sup> PSI: 30, 50, 100, 300 FtH <sub>2</sub> O: 35, 81, 196, 658 mH <sub>2</sub> O: 10, 24, 59, 200
	<b>Compensated</b>	---	0° to 50°C (32° to 122°F)
<b>Max operating pressure</b>		1.1 x FS	
<b>Burst pressure</b>		3.0 x FS (for >300 psi (650ft, 200m) contact Seametrics representative)	
<b>Regulatory</b>		CE	

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

<sup>1</sup> Higher pressure ranges available upon request

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

**How to Order**

EcoPRO (Standard)
EcoPRO+ (High Accuracy)

**Example: EcoPRO+ 030A - P - S - X2 - 120H**

① Pressure Range/Type		② Sensor Function <sup>1</sup>		③ Sensor Material <sup>1</sup>		④ Options <sup>1</sup>		⑤ Cable Length <sup>2</sup>	
005G	5 psi, Gauge	P	Pressure	S	Stainless Steel	X	No Selection	003H	3m (10ft), HDPE
015G	15 psi, Gauge	T	Temperature & Pressure (EcoPRO+ only)	T	Titanium	1	NPT Endcone	008H	8m (25ft), HDPE
030G	30 psi, Gauge					2	NPT Topcap	015H	15m (50ft), HDPE
030A	30 psi, Absolute							030H	30m (100ft), HDPE
050G	50 psi, Gauge							060H	60m (200ft), HDPE
050A	50 psi, Absolute							120H	120m (400ft), HDPE
100G	100 psi, Gauge							180H	180m (600ft), HDPE
100A	100 psi, Absolute							245H	245m (800ft), HDPE
300G	300 psi, Gauge							300H	300m (1000ft), HDPE
300A	300 psi, Absolute								

<sup>1</sup> The temperature & pressure option, titanium option, lightning protection, aneroid bellows, NPT endcone, and NPT topcap options are available for additional cost to the base unit.

<sup>2</sup> 3m cable included at no charge.

**Accessories**

103511	Aneroid Bellows	103482	Cable Gland Kit
103483	Desiccant Tube Replacement	103515	Lightning Protection
103484	Desiccant Tube Refill Bottle (18 Refills)	103516	Wire Mesh Cable Support