

Geotech's submersible pressure transducers are designed for ruggedness and long life to meet the demanding environments encountered in liquid level measurement and control.

FEATURES

- High static accuracy and repeatability
- 100% computer tested and calibrated
- Temperature compensated measurement
- Signal outputs of 4-20 mA, 1-5 Volt output, and Modbus RS485
- User specified pressure ranges from
 - 100-1500 psi (7-100 bar) Sealed Gauge
 - 15-1500 psi (1-100 bar) Absolute
- All wetted materials are #316 stainless steel
- Designed to be intrinsically safe
- Cable is premium quality, double-shielded, yellow polyurethane jacketed
- Sensor has 1/4" NPT process fitting with protective cap
- Optional surge suppressor for lightning protection

APPLICATIONS

- Groundwater Monitoring
- Surface Water Monitoring
- Well Monitoring
- Wetland Studies
- Remediation Pump Control
- Landfill Pump Control
- Fluid Level Control



CALL GEOTECH TODAY

(800) 833-7958

Geotech Environmental Equipment, Inc.

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Technical Specifications

Electrical		
	<i>Supply Voltage</i>	12-36 Volt DC
	<i>Supply Current</i>	25 mA
	<i>Output</i>	1-5 Volt DC, 4-20 mA, and Modbus 485
Performance		
	<i>Pressure Ranges (psi)</i>	0-15, 0-30, 0-50, 0-100, 0-150, 0-200, 0-350, 0-500, 0-1000, 0-1500
	<i>Pressure Ranges (bar)</i>	0-1, 0-2, 0-3.5, 0-7, 0-10, 0-14, 0-25, 0-35, 0-100 (Custom ranges available)
	<i>Accuracy</i>	0.25% of full scale, 0.1% of full scale available
	<i>Non-linearity</i>	.07% of full scale
	<i>Repeatability</i>	0.015% of full scale
	<i>Pressure Hysteresis</i>	0.010% of full scale
	<i>Zero Error</i>	±0.1% of full scale
	<i>Span Error</i>	±0.1% of full scale
	<i>Temperature Sensor Range</i>	-40° to 257°F (-40° to 125°C)*
	<i>Temperature Accuracy</i>	±1.8°F (0.5°C) nominal full scale. Temperature reporting is only available with RS485 communications.
	<i>Compensated Temperature Range</i>	-4° to 185°F (-20° to 85°C)
	<i>Operating Temperature Range</i>	-40° to 257°F (-40° to 125°C)
	<i>Response Time</i>	2 milliseconds
	<i>Life</i>	1 million pressure cycles
Physical		
	<i>Sensor Length</i>	8.6" (21.8 cm) with Surge Suppressor
	<i>(includes 2" Strain Relief)</i>	7.7" (19.6 cm) without Surge Suppressor
	<i>Sensor Diameter</i>	.72" (1.8 cm)
	<i>Sensor Weight</i>	4.3 oz. (122 g)
	<i>Proof Pressure</i>	3x psi
	<i>Burst Pressure</i>	5x psi
	<i>Media Compatibility</i>	Liquids or gases compatible with 316 SS
Cable		
	<i>Jacket</i>	Polyurethane
	<i>Diameter</i>	.335" to .360" (8.5mm to 9.14mm)
	<i>Conductors</i>	4-24 AWG 7/32 tinned copper, Red – White – Blue – Orange Polyurethane
	<i>Drain</i>	20 AWG 7/32 tinned copper bare

* Installation is not recommended in environments where liquids freeze solid.

Note: Probe is protected from reverse polarity supply connection.

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