

Geotech Pressure Transducers

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 Tefzel®, or blue modified PVC blend
- Sensor has ¼" 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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SPECIFICATIONS

Electrical:	Supply Voltage	12-36 Volt DC
	Supply Current	25 mA
	Output	1-5 Volt DC, 4-20 mA, and Modbus 485
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Performance:	Pressure Ranges (psi)	0-15, 0-30, 0-50, 0-100, 0-150, 0-200, 0-350, 0-500, 0-1000, 0-1500
	Pressure Ranges (bar)	0-1, 0-2, 0-3.5, 0-7, 0-10, 0-14, 0-25, 0-35, 0-100 (Custom ranges available)
	Accuracy	0.25% of full scale 0.1% of full scale available
	Non-linearity	.07% of full scale
	Repeatability	0.015% of full scale
	Pressure Hysteresis	0.010% of full scale
	Zero Error	±0.1% of full scale
	Span Error	±0.1% of full scale
	Temperature Sensor Range	-40° to 257°F (-40° to 125°C)*
	Temperature Accuracy	±1.8°F (0.5°C) nominal full scale Temperature reporting is only available with RS485 communications.
	Compensated Temperature Range	-4° to 185°F (-20° to 85°C)
	Operating Temperature Range	-40° to 257°F (-40° to 125°C)
	Response Time	2 milliseconds
	Life	1 million pressure cycles
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Physical:	Sensor Length	8.6" (21.8 cm) with Surge Suppressor (Includes 2" Strain Relief) 7.7" (19.6 cm) without Surge Suppressor
	Sensor Diameter	.72" (1.8 cm)
	Sensor Weight	4.3 oz. (122 g)
	Proof Pressure	3x psi
	Burst Pressure	5x psi
	Media Compatibility	Liquids or gases compatible with 316 SS
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Cable:	Jacket	Polyurethane or Tefzel®(vented), or PVC Blend (not vented)
	Diameter	.335" to .360" (8.5mm to 9.14mm)
	Conductors	4-24 AWG ⁷ / ₃₂ tinned copper, Red – White – Blue – Orange Polyurethane or Tefzel®
	Drain	20 AWG ⁷ / ₃₂ tinned copper bare PVC Blend

* Installation is not recommended in environments where liquids freeze solid.
Note: Probe is protected from reverse polarity supply connection.

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