

# 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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## Geotech Pressure Transducers

### SPECIFICATIONS

<b>Electrical:</b>	<b>Supply Voltage</b>	12-36 Volt DC
	<b>Supply Current</b>	25 mA
	<b>Output</b>	1-5 Volt DC, 4-20 mA, and Modbus 485
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<b>Performance:</b>	<b>Pressure Ranges (psi)</b>	0-30, 0-50, 0-100, 0-150, 0-200, 0-350, 0-500, 0-1000, 0-1500
	<b>Pressure Ranges (bar)</b>	0-2, 0-3.5, 0-7, 0-10, 0-14, 0-25, 0-35, 0-100 (Custom ranges available)
	<b>Accuracy</b>	0.25% of full scale 0.1% of full scale available
	<b>Non-linearity</b>	.07% of full scale
	<b>Repeatability</b>	0.015% of full scale
	<b>Pressure Hysteresis</b>	0.010% of full scale
	<b>Zero Error</b>	±0.1% of full scale
	<b>Span Error</b>	±0.1% of full scale
	<b>Temperature Sensor Range</b>	-40° to 257°F (-40° to 125°C)*
	<b>Temperature Accuracy</b>	±1.8°F (0.5°C) nominal full scale Temperature reporting is only available with RS485 communications and Tefzel or Polyurethane cable configuration.
	<b>Compensated Temperature Range</b>	-4° to 185°F (-20° to 85°C)
	<b>Operating Temperature Range</b>	-40° to 257°F (-40° to 125°C)
	<b>Response Time</b>	2 milliseconds
	<b>Life</b>	1 million pressure cycles
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<b>Physical:</b>	<b>Sensor Length</b>	8.6" (21.8 cm) with Surge Suppressor (Includes 2" Strain Relief) 7.7" (19.6 cm) without Surge Suppressor
	<b>Sensor Diameter</b>	.72" (1.8 cm)
	<b>Sensor Weight</b>	4.3 oz. (122 g)
	<b>Proof Pressure</b>	3x psi
	<b>Burst Pressure</b>	5x psi
	<b>Media Compatibility</b>	Liquids or gases compatible with 316 SS
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<b>Cable:</b>	<b>Jacket</b>	Polyurethane or Tefzel®, or PVC Blend (none vented)
	<b>Diameter</b>	.25" ±.01" (6.35mm ±.25mm) Polyurethane and Tefzel® .375" + .015" (9.5mm ±.4mm) PVC Blend
	<b>Conductors</b>	2-24 AWG 7/32 tinned copper Red – White
	<b>Drain</b>	24 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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