

Geotech Gauge Pressure Transducers

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

FEATURES

- High static accuracy and repeatability
- 100% computer tested, calibrated and temperature compensated
- 750' (229m) maximum cable length
- All wetted materials are #316 stainless steel
- Sensor has 1/4" NPT process fitting with protective cap
- Vent line in cable allows barometric compensation of level readings
- Field replaceable desiccant cartridge or Aneroid Bellows for moisture protection
- 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



Field Replaceable Vent Line Desiccant Cartridge



Maintenance-Free Aneroid Bellows Option

Gauge Pressure Transducer with Optional Surge Suppressor



Gauge Pressure Transducer



CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.
 2650 East 40th Avenue • Denver, Colorado 80205
 (303) 320-4764 • FAX (303) 322-7242
 email: sales@geotechenv.com • website: www.geotechenv.com

Geotech Gauge Pressure Transducers

SPECIFICATIONS

Electrical:	Supply Voltage	12-36 Volt DC
	Supply Current	25 mA
	Output	1-5 Volt DC, 4-20 mA, and Modbus 485
<hr/>		
Performance:	Pressure Ranges (psi)	0-3, 0-5, 0-15, 0-30, 0-50, 0-100, 0-150
	Pressure Ranges (bar)	0-.2, 0-.34, 0-1, 0-2, 0-3.5, 0-7, 0-10 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 and Tefzel or Polyurethane cable configuration.
	Compensated Temperature	-4° to 185°F (-20° to 85°C)
	Operating Temperature	-40° to 257°F (-40° to 125°C)
	Response Time	2 milliseconds
	Life	1 million pressure cycles
	<hr/>	
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
	<hr/>	
Cable:	Jacket	Polyurethane or Tefzel® (Vented)
	Diameter	.25" ±.01" (6.35mm ±.25mm)
	Conductors	2-24 AWG 7/32 tinned copper Red – White
	Drain	24 AWG 7/32 tinned copper bare
	Vent Tube	Nylon 6/6 vent tube

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

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.
 2650 East 40th Avenue • Denver, Colorado 80205
 (303) 320-4764 • FAX (303) 322-7242
 email: sales@geotechenv.com • website: www.geotechenv.com