

Pressure Transducers

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

SPECIFICATIONS

Electrical:	Supply Voltage	12-36 Volt DC
	Supply Current	25 mA
	Output	1-5 Volt DC, 4-20 mA
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
	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	
Physical:	Sensor Length (Includes 2" Strain Relief)	8.6" (21.8 cm) with Surge Suppressor 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
Cable:	Jacket	Polyurethane or Tefzel®
	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

Note: Probe is protected from reverse polarity supply connection.



Gauge Pressure Transducer

Gauge Pressure Transducer with Optional Surge Suppressor

Field Replaceable Vent Line Desiccant Cartridge



Maintenance-Free Aneroid Bellows Option

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

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