

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



Technical Specifications

Electrical	<i>Supply Voltage</i> <i>Supply Current</i> <i>Output</i>	12-36 Volt DC 25 mA 1-5 Volt DC, 4-20 mA, and Modbus 485
Performance	<i>Pressure Ranges (psi)</i> <i>Pressure Ranges (bar)</i> <i>Accuracy</i> <i>Non-linearity</i> <i>Repeatability</i> <i>Pressure Hysteresis</i> <i>Zero Error</i> <i>Span Error</i> <i>Temperature Sensor Range</i> <i>Temperature Accuracy</i> <i>Compensated Temperature Range</i> <i>Operating Temperature Range</i> <i>Response Time</i> <i>Life</i>	0-3, 0-5, 0-15, 0-30, 0-50, 0-100, 0-150 0-.2, 0-.34, 0-1, 0-2, 0-3.5, 0-7, 0-10 (Custom ranges available) 0.25% of full scale, 0.1% of full scale available .07% of full scale 0.015% of full scale 0.010% of full scale ±0.1% of full scale ±0.1% of full scale -40° to 257°F (-40° to 125°C)* ±1.8°F (0.5°C) nominal full scale. Temperature reporting is only available with RS485 communications. -4° to 185°F (-20° to 85°C) -40° to 257°F (-40° to 125°C) 2 milliseconds 1 million pressure cycles
Physical	<i>Sensor Length</i> <i>(includes 2" Strain Relief)</i> <i>Sensor Diameter</i> <i>Sensor Weight</i> <i>Proof Pressure</i> <i>Burst Pressure</i> <i>Media Compatibility</i>	8.6" (21.8 cm) with Surge Suppressor 7.7" (19.6 cm) without Surge Suppressor .72" (1.8 cm) 4.3 oz. (122 g) 3x psi 5x psi Liquids or gases compatible with 316 SS
Cable	<i>Jacket</i> <i>Diameter</i> <i>Conductors</i> <i>Drain</i>	Polyurethane .335" to .360" (8.5mm to 9.14mm) 4-24 AWG 7 /32 tinned copper, Red – White – Blue – Orange Polyurethane 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.