

Fluid Level Sensor

Geotech Fluid Level Sensor

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

SPECIFICATIONS

MAXIMUM RATINGS

Supply Voltage	12-36	VDC
Supply Current	25	mA (self limited)
Maximum pressure	0-5, 15, 30, 50, 100, 150 200, 350, 500, 1000	PSI absolute, Gauge, Sealed Gauge
Loop resistance	0-400	Ω
Isolation, loop to earth ground	500	VAC peak, VDC

PERFORMANCE

Output	4-20	mA
Accuracy	0.1	% of full scale
Non-linearity	.07	% of full scale
Zero error	± 0.1	% full scale
Span error	± 0.1	% of full scale
Compensated Temperature range	-20° to 85°	C
Operating Temperature range	-40 to 125°	C
Long Term stability	± 0.3	% of Span over 6 months
Response Time	≤ 2	milliseconds

ENVIRONMENTAL

Position Effect	0.10 % of span for 90° rotation
Vibration	No change after 10G RMS 20 to 2000 Hz.
Shock	No change after 100Gs for 11 m
Life	1 million pressure cycles

PHYSICAL

Sensor Length	7 1/8	Inches
Sensor Diameter	1.0	Inches
Sensor Weight	348	Grams
Proof Pressure	3x	
Burst Pressure	5x	
Media compatibility	Liquids or gasses compatible with 316SS	

STOCK ITEMS

Sealed gauge and absolute sensors	0-200 PSI 500' cable
	0-300, 0-350 PSI 1000' cable
	0-500 PSI 1500' cable

All other lengths to customers order add 3 days to normal 2 day delivery.

Notes

- Probe is protected from reverse polarity supply connection.
- Cable is double shielded, double jacketed polyurethane.
- Vented gauge sensors also available

FEATURES

- High accuracy and repeatability
- Fully temperature compensated
- All wetted materials are 316 Stainless Steel
- Designed to be intrinsically safe
- 100% computer tested and calibrated
- Complete range of signal outputs
- Choice of absolute or sealed gauge transducers
- Optional "Probe Pal" signal booster & noise filter for accuracy at deeper depths.



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CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.
 2650 East 40th Avenue • Denver, Colorado 80205
 (303) 320-4764 • (800) 833-7958 • FAX (303) 322-7242
 email: sales@geotechenv.com website: www.geotechenv.com