

VERTICAL ENTRY LIQUID LEVEL SENSOR

Model LL-V



0.1 % ACCURACY

TRUE GAGE DESIGN

CONDUIT CONNECTION

The Model LL-V Liquid Level Sensor is designed for vertical entry into a tank or stilling well for complete submersion in the fluid. The all-welded stainless steel housing and pressure sensing diaphragm provides corrosion resistance to most fluids. The pressure sensing diaphragm is mechanically protected by a welded-on screen. The electrical cable exits through a 1/2-14 NPT threaded fitting which allows the attachment of a variety of tubing or flexible conduit.

The electrical cable is vulcanized to a welded-on stainless steel ferrel by an oceanographic electrical connector company. The standard 10 ft. four conductor electrical cable has an atmospheric vent tube inside the cable jacket. The vent tube is attached to the "True Gage" all-welded chamber inside the sensor to provide a trouble-free atmospheric zero reference. An external desiccant is not required for dependable operation.

Model LL-V Order Code BP712

PERFORMANCE

Ranges	Inches of Water Column: 0-25", 0-50", 0-100", 0-200", 0-300", 0-500", 0-1000"
Accuracy	PSIG: 0-1, 0-2, 0-5, 0-10, 0-15, 0-25, 0-25, 0-50 +/- 0.1% F.S. (Static Error Band)
Resolution	Infinite

ENVIRONMENTAL

Operating Temperature	0-180° F (-20° to 80° C)
Compensated Temperature Ranges	.60° to 160°F (15° to 70°C)
Temperature Effect On:	Zero +/-0.0025%FS/°F (+/-0.0045%FS/°C) Span +/-0.0025%Rdg./°F (+/-0.0045%Rdg./°C)

ELECTRICAL

Outputs	Option	Power Requirements	Wiring Code
0+/- 5 VDC	2c	11-28 VDC @ 40 mA (Three Wire)*	# 16
4-20 mA	2k	13-40 VDC (Two Wire)	Special
4-20 mA	2j	22-32 VDC @ 65 mA (Three Wire)*	# 21

*Also includes Sensotec's standard internal shunt calibration circuit

MECHANICAL

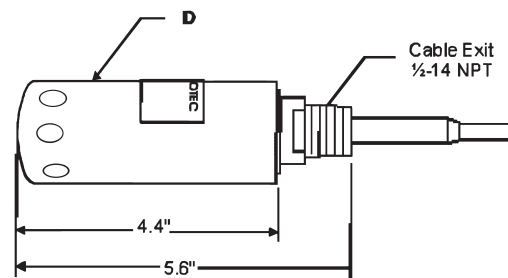
Media:	Liquids compatible with 304 & 17-4PH Welded Stainless Steel.
Cable jacket material:	Polyurethane & Neoprene®
Type:	Sensotec's True Gage Design with an all welded stainless steel atmospheric reference chamber built around a second sensing diaphragm, offers environmental protection and long term reliability that is unmatched in the industry.

OPTIONS

Longer cable lengths	10 ft is standard.
Option: 3d:	Buffered shunt calibration. Buffered relay activation of the internal shunt cal circuit offers a quick setup method for span by providing a calibrated output signal without applying a calibrated pressure to the sensor.
Option: 53e:	An internal Signature Calibration chip which stores calibration information for the automatic setup and calibration with Sensotec's Model SC Digital Indicator. Note: Options 3d & 53e cannot be used together.

Dimensions

AVAILABLE RANGES	D
0-1, 0-2 psi	2.25"
0-5, 10, 15, 25, 50, 75, 100 psi	1.50"



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