

Continuous Liquid Level Sensors

Reliable and Accurate Sensor Technology

Continuous Level Sensors and Level Transmitters are your best solution when requiring durability and accuracy to gauge an exact amount of a liquid within a specified range. At FPI Sensors we pride ourselves in designing and manufacturing a variety of sensors to surpass our customers' expectations.

At FPI Sensors our Sensors **Provide Reliable Continuous feedback** and are available as **0-5VDC or 4-20 mA outputs**. With our products there are several options available including Temperature Sensors, Independent Low or High-Level Switch points, a variety of materials as well as mounting options.

Looking for a specific type or a **custom continuous liquid level sensor**? FPI Sensors will custom build one for you! Please give **The LevelWorks® People at C A Briggs Company** a Call with any question or customization requests!



Continuous Output Level Sensors

- Custom liquid level sensors & float switches manufactured in 72 hours
- The best combination of High Quality, Low Cost liquid level sensors
- Unwavering commitment to customer satisfaction

What is a Continuous Liquid Level Sensor?

Continuous level sensors are transmitters that measure liquids within a specified range and determine the exact amount of liquid within a confined area providing a continuous analog output to your panel or meter. These products are available in both vertical and horizontal mount transmitters that are ideal for monitoring liquids in tight or restricted areas.

On our sensors, the transmitter and the signal conditioning is built into the sensor stem making for a very stream lined package. A top mounted or wall mounted programmable display is available to provide a digital display of your liquid level as well.

Different Applications We Offer

If you are looking for an accurate and reliable float sensor for tight spaces, then you need to try out our vertical mount or horizontal mount continuous level sensors today. The unique design of our Sensors Eliminates Calibration and does away with "signal drift". Our sensors are the ideal Industrial or OEM's choice for ease of installation and long-term stability. With many available options, our Level Transmitters are the best choice for difficult mounting applications. These sensors are engineered and designed to work in the most demanding applications with multiple years of accurate performance.

- Marine Applications
- Remote Monitoring
- Hydraulic Power Systems
- Chemical Vessels
- [Diesel Fuel Gauging](#)
- Tank Levels

FPI Sensors Custom Options - At FPI Sensors, we offer many options to customize your Continuous Level Sensor applications. One option is adding an alarm system to the level transmitter. Another option is a [temperature sensor](#) that gives you the temperature of the liquid.



Continuous Sensors
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0-5VDC Sensor Output
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Continuous with Independent Alarms
Page 4

FPI SENSORS INTERNATIONAL

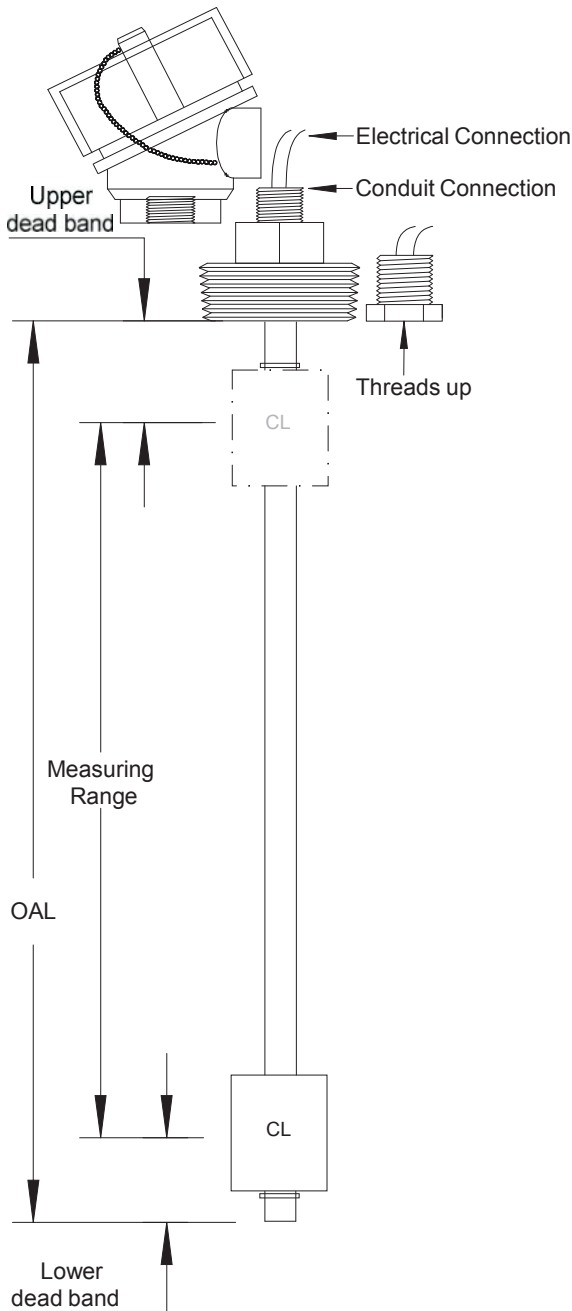
A H I G H E R L E V E L O F S A T I S F A C T I O N

Continuous Level (4-20ma) Configurator – Build to Order

We excel in **LOW COST** » **HIGH QUALITY** » **72 HOUR MFG TIME**



MANY OTHER VARIATIONS AND OPTIONS ARE AVAILABLE



HOUSING:

- Nema 4X & Explosion Proof
- Watertight
- NA

ELECTRICAL CONNECTION:

- Wire
- Cable
- Connector (specify) _____

WIRING:

Red Wire = Signal
 Black Wire = Negative voltage
 (Loop powered 10-30 VDC)

CONDUIT CONNECTION:

- 1/2" NPT
- Other _____
- NA

FITTING AND STEM MATERIAL:

- SS
- Brass

FITTING SIZE (NPT):

- 1/4"
- 1/2"
- 3/4"
- 1"
- 1 1/4"
- 1 1/2"
- 2"
- Flange _____
- Other _____

THREAD ORIENTATION:

- Threads down (threads from outside of the tank)
- Threads up (threads from inside of the tank)

LEAD LENGTH: _____ "

FLOAT MATERIAL:

- SS
- Buna

MEASURING RANGE: _____ "

(4" – 96", 1-inch increments only)

UPPER DEAD BAND: _____ " (1" minimum)

LOWER DEAD BAND: _____ " (1" minimum)

OPERATIONAL INDEPENDENT ALARM SWITCH(S):

ALARM:

- #1 _____ "
- #2 _____ "

OPERATION:

- N.O.
- N.C.
- N.O.
- N.C.

SPECIFIC GRAVITY:

- .60sg
- .93sg
- .60sg
- .93sg

If alarm point is outside of the measuring range, dead band dimensions will be affected. If alarm point is inside the measuring range, contact factory for details.

OPTIONS:

- Centering Disk
- Thermocouple _____
- Temp Switch
- N.O. or
- N.C. _____ °F set point
- Field Adjustable Length
- Thermistor _____

RESOLUTION: 1/4" increments

ACCURACY: +/-2% of measuring range

MAXIMUM OPERATING PRESSURE: 200 PSI

OPERATING TEMPERATURE RANGE: -20°F – 210°F

Order from: **C A Briggs Company**

622 Mary Street; Suite 101; Warminster, PA 18974

Phone: 267-673-8117 - Fax: 267-673-8118

Sales@cabriggs.com - www.cabriggs.com

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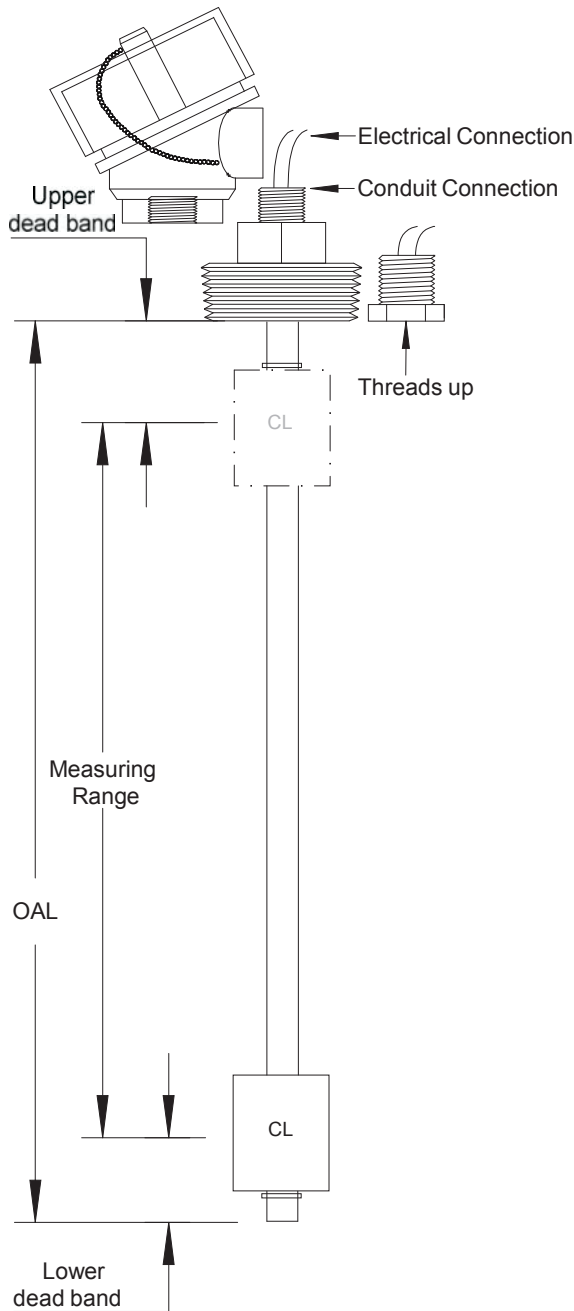
A H I G H E R L E V E L O F S A T I S F A C T I O N

Continuous Level (0-5VDC) Configurator – Build to Order

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MANY OTHER VARIATIONS AND OPTIONS ARE AVAILABLE



HOUSING:

- Nema 4X & Explosion Proof
- Watertight
- NA

ELECTRICAL CONNECTION:

- Wire
- Cable
- Connector (specify) _____

WIRING:

- Red Wire = Signal
- White Wire = Positive input voltage
- Black Wire = Negative voltage
- Input Voltage = 10-30VDC

CONDUIT CONNECTION:

- 1/2" NPT
- Other _____
- NA

FITTING AND STEM MATERIAL:

- SS
- Brass

FITTING SIZE (NPT):

- 1/4"
- 1/2"
- 3/4"
- 1"
- 1 1/4"
- 1 1/2"
- 2"
- Flange _____
- Other _____

THREAD ORIENTATION:

- Threads down (*threads from outside of the tank*)
- Threads up (*threads from inside of the tank*)

LEAD LENGTH: _____"

FLOAT MATERIAL:

- SS
- Buna

MEASURING RANGE: _____"

(4" – 96", 1-inch increments only)

UPPER DEAD BAND: _____" (1" minimum)

LOWER DEAD BAND: _____" (1" minimum)

OPTIONS:

- Centering Disk
- Thermocouple _____
- Temp Switch
- N.O. or N.C. _____ °F set point
- Interface Float (.93 sg)
- Field Adjustable Length
- Thermistor _____

RESOLUTION: 1/4" increments

ACCURACY: +/-2% of measuring range

MAXIMUM OPERATING PRESSURE: 200 PSI

OPERATING TEMPERATURE RANGE: -20 °F – 210 °F

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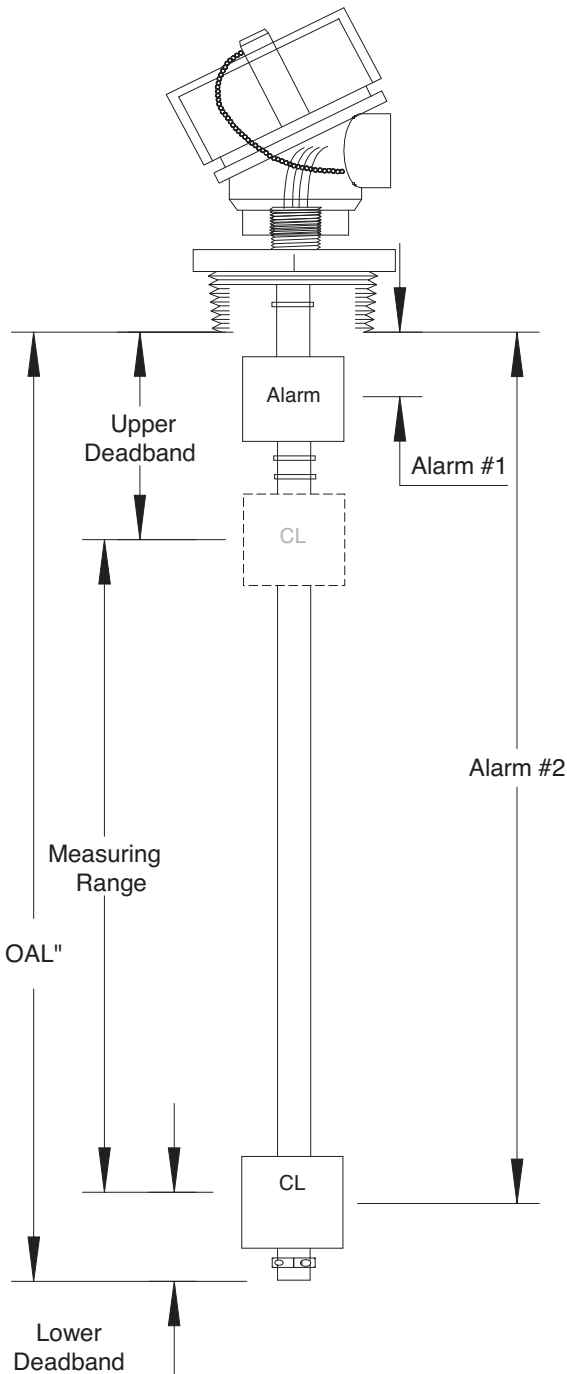
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MANY OTHER VARIATIONS AND OPTIONS ARE AVAILABLE



OUTPUT SIGNAL: 4-20mA 0-5VDC

HOUSING:

Nema 4X & Explosion Proof Watertight NA

ELECTRICAL CONNECTION:

Wire Cable Connector (specify) _____

WIRING:

Red Wire = Signal
Black Wire = Negative voltage
Loop Powered (10-30 VDC)

For 0-5VDC:

White Wire = Positive input voltage
Supply Voltage 10-30 VDC

CONDUIT CONNECTION:

1/2" NPT Other _____ NA

FITTING AND STEM MATERIAL:

SS Brass

FITTING SIZE (NPT):

1/4" 1/2" 3/4" 1" 1 1/4" 1 1/2" 2"
 Flange _____ Other _____

THREAD ORIENTATION:

Threads down (threads from outside of the tank)
 Threads up (threads from inside of the tank)

LEAD LENGTH: _____"

FLOAT MATERIAL:

SS Buna

MEASURING RANGE: _____"

(4" – 96", 1-inch increments only)

UPPER DEAD BAND: _____" (1" minimum)

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INDEPENDENT ALARM SWITCH(S):

ALARM:

#1 _____"

#2 _____"

OPERATION:

N.O. N.C.

N.O. N.C.

ALARM FLOAT SPECIFIC GRAVITY:

.60sg .93sg

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If alarm point is outside of the measuring range, dead band dimensions will be affected. If alarm point is inside the measuring range, contact factory for details.

OPTIONS:

Centering Disk

Thermocouple _____

Interface Float (.93 sg)

Temp Switch N.O. or N.C. _____ °F set point

Field Adjustable Length

Thermistor _____

RESOLUTION: 1/4" increments

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