

LOWRANCE

SIMRAD

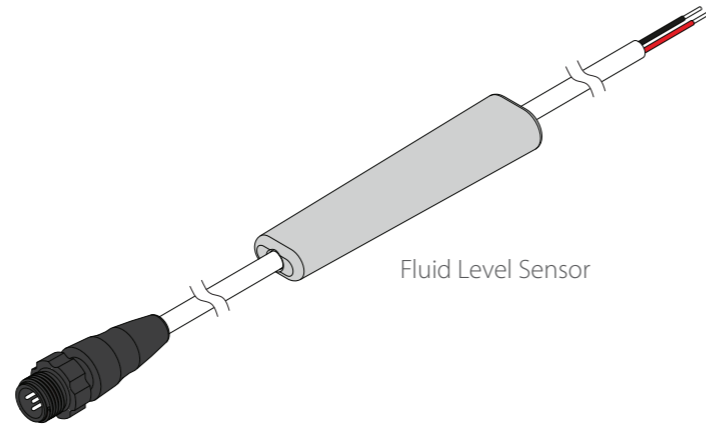
B&G

## Fluid Level Sensor

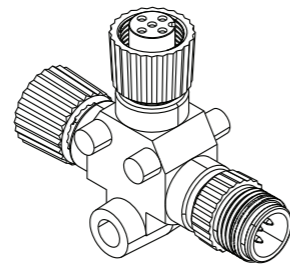
Installation Guide



### What's in the box

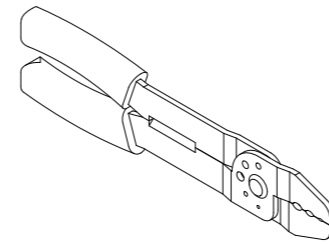


Fluid Level Sensor

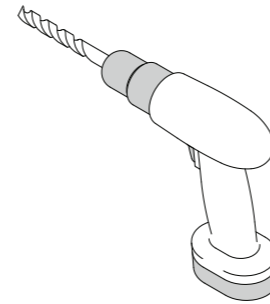


NMEA 2000 T-Joiner

### Tools required

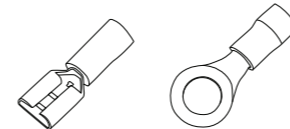


Wire Pliers

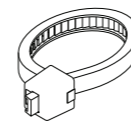


Drill with 22 mm (7/8") drill bit

### Other parts required



Marine-grade Crimp-on wire connectors



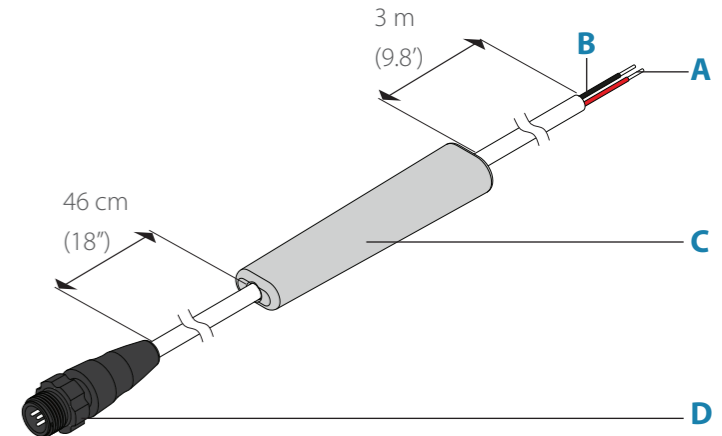
Zip ties for securing Fluid Level Sensor

### Overview

The Fluid Level Sensor is designed to monitor fuel, live well, oil, fresh water, waste water (gray water), and black water tanks.

**⚠ You should read all of the installation instructions before proceeding. Decide where to install all components before drilling any holes in your vessel.**

The sensor is pre-configured to the US marine standard of 33.5-240 ohm. Please refer to your operations guide for configuration information.



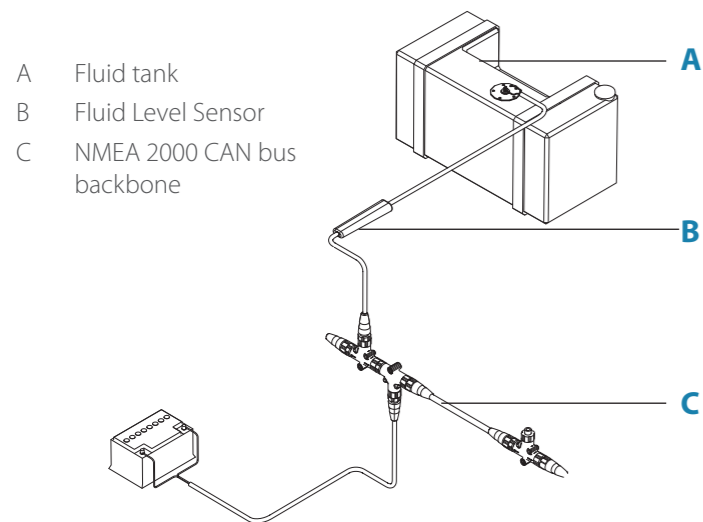
- A Red wire for positive connector in fluid level float
- B Black wire for negative connector in fluid level float
- C Fluid Level Sensor
- D NMEA 2000 connector

### Plan the installation

The sensor is designed to be the only device receiving signals from the sending unit. If the sensor is replacing a previous gauge, make sure you remove all the old gauge wires before you begin. If this is a replacement, note which connection is positive before disconnecting the old wires.

This document assumes the mounting bracket is connected to the fluid level arm (or potentiometer) and is already installed in the tank. The sensors wires — red (positive) and black (negative) — will connect to the sending unit's mounting bracket, on top of the tank.

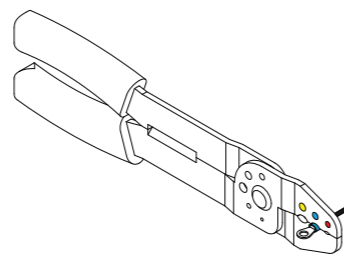
Use one Fluid Level Sensor for each different fluid tank. When having 2 different tanks of similar fluids it is advisable to label them so they can be identified in the NMEA 2000 device list in the gauge or multi-function display.



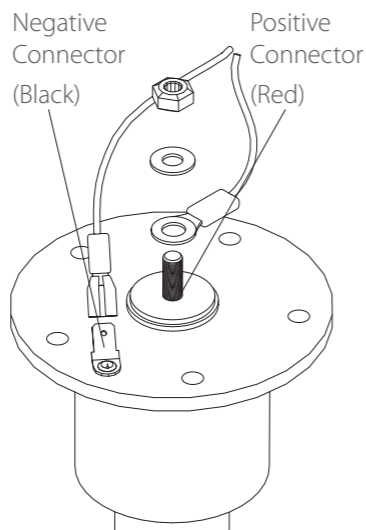
- A Fluid tank
- B Fluid Level Sensor
- C NMEA 2000 CAN bus backbone

### Install the Fluid Level Sensor

Attach marine-grade crimp-on connectors to both the red lead (+) and the black (-) lead. The Fluid Level Sensor must be the ONLY device connected to the sender

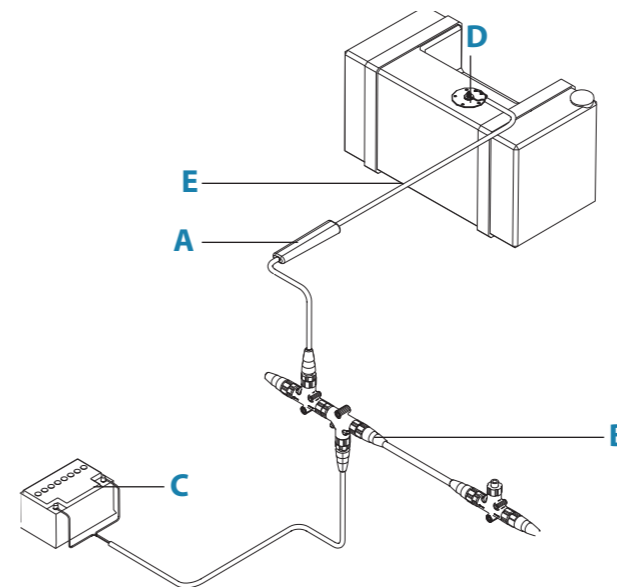


**⚠ Do NOT connect the sensors to the NMEA 2000 network until you have finished connecting the red and black leads to the sending unit. This reduces the risk of a spark when working around fuel tanks.**



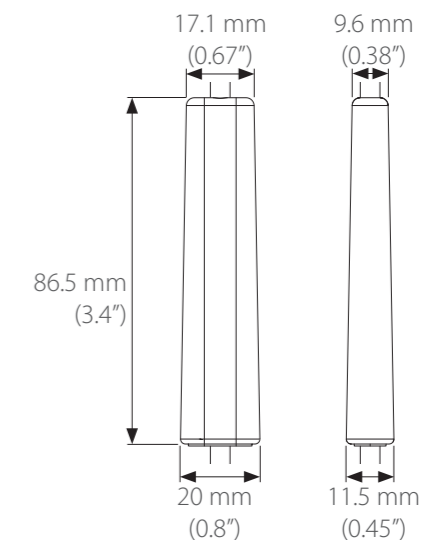
Attach the positive red lead to the sending unit's positive connector, usually located in the center of the mounting plate. Connect the negative black lead to the sending unit's negative connector. To ensure you know which connection is which, refer to the mounting instructions that came with the sending unit.

### Connect the Fluid Level Sensor to the network



- A Fluid Level Sensor
- B NMEA 2000 CAN bus backbone
- C 12 V DC Power supply. Connect via a switch and 5 amp fuse
- D Fluid Level Sender
- E Cable/wire leading to the Fluid Level Float in the tank

### Dimensions



### Specifications

Compatible with most sending units that are calibrated between 33 and 240 ohm.

PGNs transmitted

59392 – ISO Acknowledgment

59904 – ISO Request

60928 – ISO Address Claim

126996 – Product Information

127505 - Fluid Level