

# The **SEELVEL SPECIAL**™ Gauge For Trucks



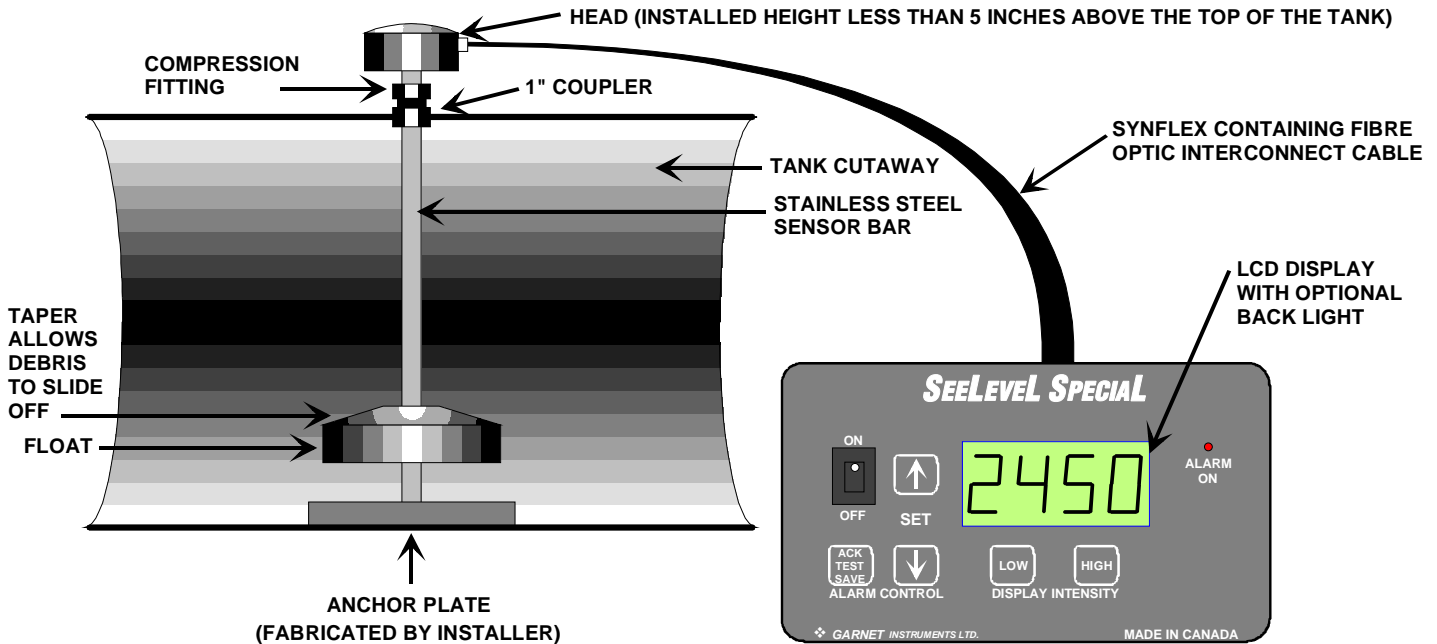
## FEATURES:

- Provides an accurate digital readout of the amount of fluid in a truck or trailer tank
- Microprocessor based technology provides resolution of 1/6, 1/3 or 1/4 inch, selectable at time of installation
- The Model 809 provides a readout on a daytime viewable LCD display suitable for inside mounting with a back light for night viewing
- Programmable output to operate a **SPILLSTOP**™ overfill prevention system, and a programmable alarm output which can operate a light, horn, isolation valve, or the **MULTIRACK**™ optic/thermistor rack controller
- Additional user alarm, AlarmX, easily programmable using the front panel buttons
- The display is calibrated with the 816 or 916 programmer to read in inches of level, or in volume units such as barrels, gallons, litres, or cubic metres
- Only one moving part, the molded plastic float ensures high reliability, Stainless Steel float option available
- Micro power circuitry runs on internal batteries - truck power is required only for backlight and alarm indicator
- Display can be turned off to prevent false alarms while truck is in motion
- All digital design eliminates reading drift or degradation, ensuring long term accuracy under all operating conditions
- Built-in overfill warning alarm can activate a horn or light with the ability to bypass
- Fibre optic connection between tank and display for complete electrical safety
- Operation from -40 to +60°C (-40 to +140°F) ambient, and up to +85°C (+185°F) product
- Accuracy up to +/- 0.125 inches (+/- 0.35 cm)
- A remote version is also available, for use with an 808P2 or 810PS2
- Easy installation and servicing, one year limited warranty

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## MODEL 809 **SEELEVEL SPECIAL™** TRUCK GAUGE DESCRIPTION



- The gauge operates using a magnetic reed switch sensor bar detecting the float magnetic field. The system provides a nominal accuracy of  $\pm 1/12$  inch, but with variations in reed switch sensitivities the actual accuracy is  $\pm 1/8$  inch.
- When the float is rising, the gauge will read about  $1/16$  inch lower than when the float is falling. This happens because the reed switches are less sensitive to engagement than they are to disengagement. The practical result of this is that the gauge reading is very stable and does not flicker with small ripples on the surface of the product.
- A 316 stainless steel seamless tube houses the sensor bar, and the fitting holding the tube in place can be either steel or stainless steel. The tube and polyethylene float are resistant to oils, fuels, acids, sewage, and most chemicals. The sensor bar is fully sealed to prevent moisture or product from damaging the bar. The bar can be ordered to fit any size tank up to 85 inches in height, and can be easily removed for servicing, or for use on another trailer.
- Plastic fibre optic cable transports the information from the sensor bar to the display to provide complete electrical isolation for the components inside the tank. The fibre optic light level is ten times higher than required, so the fibre can be cut with a knife for easy installation; no polishing or special preparation is required.
- The 809 display is powered by a lithium battery with a 10 year life. The LCD is large enough to allow display viewing from up to 15 feet away. For easy night viewing, the 809 has a light behind the LCD which is powered by 12V truck power.
- The gauge calibration is programmed during installation with either the 816 or 916 programmer. The calibration can be done in inches of level, or in any volume unit desired, as long as a calibration table (volume vs. depth) is available for the tank. The display has four digits, allowing better than  $1/4\%$  accuracy on the readout.
- The SpillStop and alarm outputs on the 809 are programmed with the 916 programmers during installation, and can be altered at a later date if desired. An overflow warning feature permits a simple alarm to be operated and then bypassed by pressing a switch on the front of the display. The alarm will automatically reset when the tank is empty.
- The SeeLevel gauge can be used with other Garnet products to improve safety, economy, and convenience. The SpillStop overflow prevention system provides an automatic horn warning and pump shut down to prevent spills when loading with truck mounted PTO driven pumps. The MultiRack rack controller provides optic and thermistor loading rack control to permit loading at rack controlled facilities.

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