



Fluid Level, Pressure, Overfill Protection and Data System

The SeeLevel TrailerPlex™ 818 is a multi-purpose device designed to monitor the status of up to 8 pressure switches and provide a corresponding permit signal to aid in safe pump control during loading or unloading of liquid transport tanks. The status of each input is displayed on the gauge's face. The SeeLevel TrailerPlex™ also functions as a level and temperature gauge by providing visual readouts from the SeeLevel 810-TX Sender Bar.

Key Features

Pressure Switch Monitoring and Permit Control

Monitors up to eight pressure switches and outputs a corresponding permit signal to enable safe pump operation during liquid transport tank loading and unloading. The PTO can also be monitored, linking the permit signal to the PTO status.

Single Compartment Monitoring

Supports monitoring of a single tank compartment, delivering accurate liquid level and temperature measurements with programmable warning and overfill alarms. The connection from the sender bar to the 818 is via fiber optic cable, without any special connectors, for added safety in hazardous environments.

Internal Logging

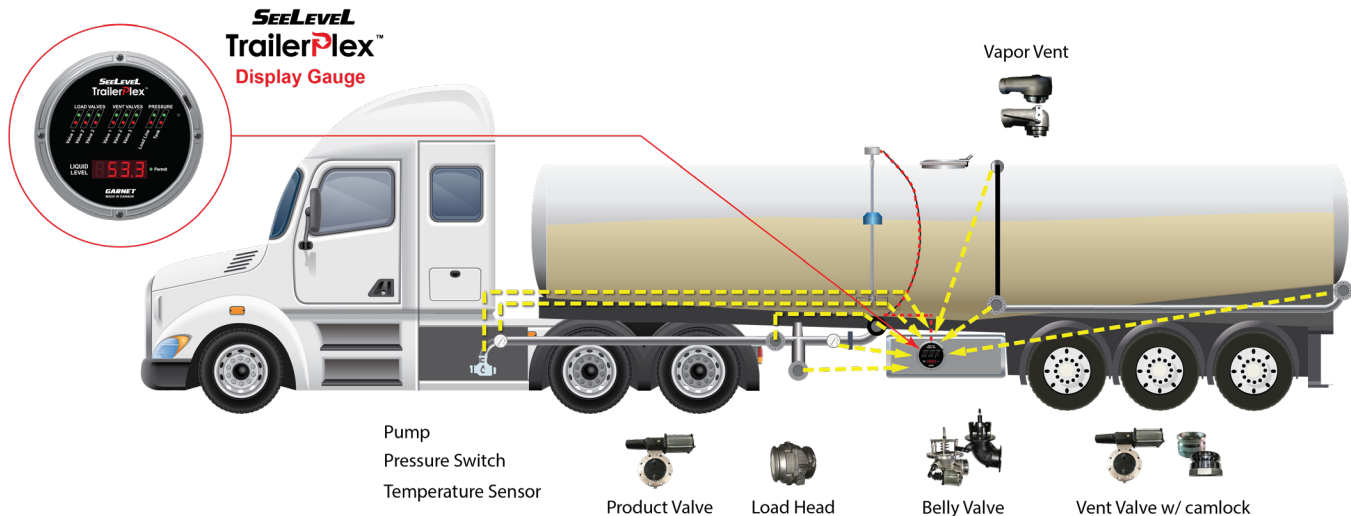
Stores a record of all inputs along with liquid level, temperature, alarm status, and a time stamp, excellent for troubleshooting, compliance, and historical analysis.

Mobile App Connectivity & Setup

Bluetooth® connectivity enables wireless setup, diagnostics, and monitoring using the user-friendly SeeLevel Command™ mobile app. Calibrating your liquid volume is easy with only a few simple steps.

Compatible with 810-TX Sender Bar

Designed specifically for use with the SeeLevel™ 810-TX sender bar, ensuring accurate measurement and dependable performance in liquid transport tank systems.



Operation Overview

The **SeeLevel TrailerPlex™ 818** is designed to enhance safety and help prevent operator error during loading and unloading operations. It monitors up to eight ground switch inputs, pre-labeled for three valves, three vents, one load line, and one tank. It issues a permit signal only when all switches confirm a safe state or are disabled, allowing pump operations to proceed. An LED indicator for each input is displayed directly on the gauge face, so operators can quickly assess system readiness. If any switch enters an unsafe state, the module generates a fault, disables the permit signal, and requires manual fault clearance using the side-mounted button. If desired, the 818 can also monitor a PTO signal and an external 4–20 mA pressure transducer. Both or either of these can be included in the permit signal determination. The 818 also functions as a fluid level gauge with a 4-digit LED display that continuously shows the fluid level and temperature in the tank. Finally, the 818 can be configured to require the operator to actively press a button to maintain system operation, ensuring continued attention during the loading process.

The SeeLevel TrailerPlex™ 818 is equipped with an industry standard CAN output, where all information from the gauge is available. The 818 also includes a programmable warning alarm with a hardware output that can be used to control a warning horn or light.

The SeeLevel TrailerPlex™ 818 uses the 810-TX sender bar mounted vertically with a magnetic float to measure liquid level and temperature. As the float moves up and down with the fluid level, the sender bar detects its position and sends data to the 818 through a fiber optic connection, eliminating the need to run electrical wires to the sender bar.

810-TX Sender Bar

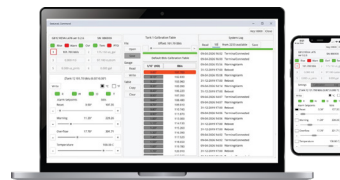


The 810-TX sender bar is used in liquid transport applications such as fuel, crude oil, condensate, and chemical hauling, where accurate level sensing and dependable performance are critical to safety and operations.

- Resolution: 1/4" (6.35 mm)
- Accuracy: ±3.3 mm (±0.13")
- Field-replaceable lithium battery module with 10 year lifespan.
- Temperature Monitoring: ±0.1°F (+/- 0.06°C)
- Optional stainless steel float available
- Tank Height: Supports tanks up to 87" (221 cm)

SeeLevel Command™ App

The SeeLevel Command™ app is used for system setup and customization. Users can configure alarms, perform volumetric calibration using tank strapping charts, and view device logs from a PC or mobile device.



For the latest information on these products and their availability, scan the QR code to visit our website, or reach out to us directly by calling 1-800-617-7384.