



Advanced Multi-Compartment Tank Level System for Fuel Tankers

The SeeLevel Octane™ 812 is the ultimate solution for monitoring liquid levels, volumes, and temperatures in multi-compartment truck tanks and trailers. This automated system enhances operator safety, reduces load and unload times, and ensures accurate inventory management.

Key Features

Monitors Up to Six Compartments

Supports up to six fluid compartments, ideal for complex tank configurations and multi-product transport.

Liquid Level and Temperature Monitoring with Alarms

Delivers accurate liquid level measurement along with programmable alarms for warnings, emergency shutoff, temperature, and abnormal level rise to support safe operation.

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.

Communications

The system is designed for easy integration with vehicle and fleet management systems using CAN, RS232, RS485, communication and independent 4-20 mA outputs.

Long-Term Data Logging

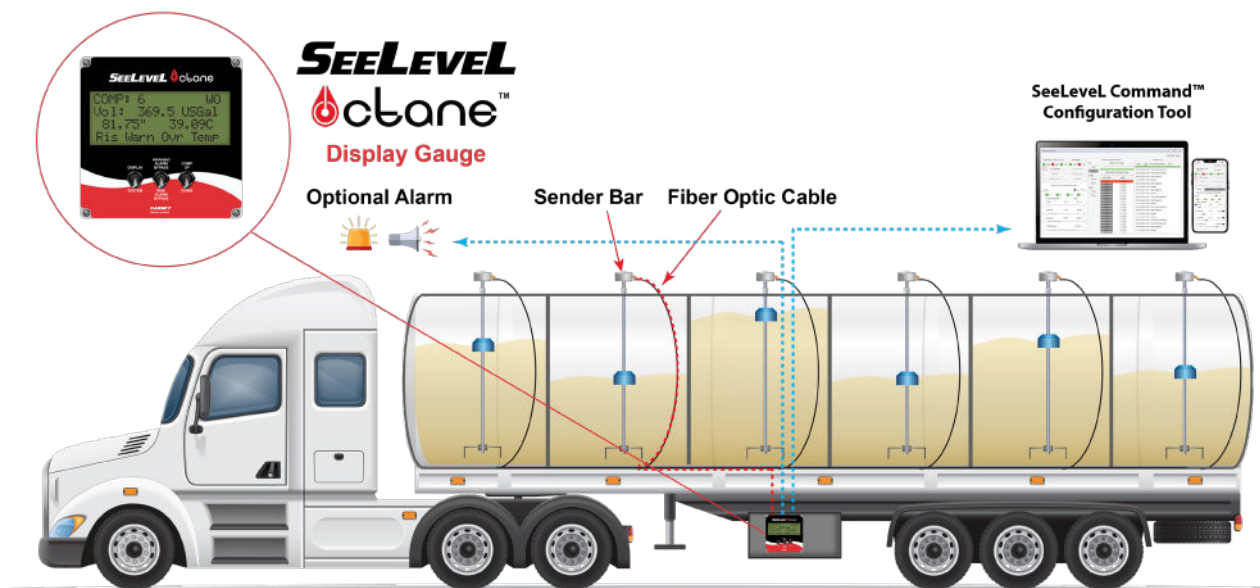
Continuously records system activity, alarms, and level changes for months at a time, supporting troubleshooting, performance reviews, and custody transfer documentation.

Active Alarm Monitoring During Filling

Continuously monitors and responds to all alarm conditions while filling any compartment, helping prevent overfills and unsafe conditions. The alarms can be physically wired to external devices such as horns, lights, or PLC systems.

Compatible Sender Bars

Works with the 810-X and 810-TX sender bars, providing flexible compatibility across different tank designs and application requirements.



Operation Overview

The **SeeLevel Octane™ 812** measures liquid level and temperature for up to six tanks and displays this information on an LCD screen. The system supports a range of optional alarms, including overflow, high-level warning, cross fill, and temperature conditions. All alarms are fully programmable and can be assigned to 4 physical output channels, allowing connection to horns, lights, or other external indicators.

The 812 provides extensive connectivity, including six 4–20 mA outputs, four physical alarm outputs, RS-232, RS-485, and CAN, for integration with third-party devices.

Each sender bar is mounted vertically inside the tank, with a float that moves along the bar in response to changing fluid levels. The sender bar transmits both level and temperature data via fiber-optic cable to the 812 display unit. The display presents level readings in the appropriate units, manages alarm functions, and houses all remote data communication interfaces.

	810-X	810-TX
		
Resolution	1/3" (8.47 mm)	1/4" (6.35 mm)
Accuracy	±5 mm (±0.2")	±3.3 mm (±0.13")
Battery	Field-Replaceable lithium battery with 10 year lifespan	Field-Replaceable lithium battery with 10 year lifespan
Product Temperature	-40°C to +90°C (-40°F to +194°F)	
Float Compatibility	250-TRUCK_FLOAT Optional stainless steel	250-STAT_FLOAT Optional stainless steel
Tank Height	up to 87" (221 cm)	up to 87" (221 cm)

810 Sender Bars

The 810 series sender bars are commonly 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. The 810 series sender bars offer fiber optic communication for added safety in hazardous environment.

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.