

SEELEVEL™ PROSERIES II™

Tank Truck Level & Volume Gauge

Model 810-PS2



The **SEELEVEL PROSERIES II™** 810-PS2 is designed for optimum accuracy and durability. The microprocessor-based reed switch and float design offers one of the most accurate continuous level measuring systems on the market. The 810-PS2 has over 20 years of proven reliability in the industry.

810-PS2 Features

- The **rugged cast aluminum enclosure** can stand up to harsh road and field environments.
- The system is **self-powered** using four AA batteries and requires no auxiliary truck power. You can see your levels even when the tank trailer is removed from the truck.
- Separate **daytime LCD** and **nighttime LED** viewable displays.
- The magnetic float system accurately measures liquid and is unaffected by foam, vapor, temperature or pressure.
- Operators are able to compensate for different product densities.

SEELEVEL™ System Benefits

Cost Effective

The **SEELEVEL™** is **versatile** and offers modular accessories to customize your system according to your business needs. Customers can purchase a basic gauge to monitor fluid level or enhance their system with additional integrated products.

The **SPILLSTOP™** provides fully automated spill prevention and hose protection. The **MULTIRACK™** controller provides optic and thermistor loading rack control. Additional products are available to further develop your system including telemetry and remote monitoring.

High Accuracy

Accurate measurements are achieved through our microprocessor-based technology.

One-time Calibration

The **SEELEVEL™** solid-state digital design eliminates reading drift, ensuring long-term accuracy with no need for costly recalibration during the life of the gauge.

Built-in Alarm

Four user defined alarms can be programmed to activate an overflow horn and/or light for system enhancement. The resettable alarm can be disabled by closing and opening the lid.

Rugged Sender Bar

The 316 stainless steel sender bar is sturdy and will not twist or bend in harsh environments. The bar is resistant to corrosive liquids and does not experience signal degradation. The bar can be cut to fit any size tank up to 221 cm (87") in height.

Intrinsically Safe

Fibre optic technology allows our intrinsically safe electrical units to be used with a wide range of flammable, hazardous and inert fluid applications. There is no concern with internal arcing and sparking.

Service and Warranty

Our professional and knowledgeable technicians are on-call to assist you with any problems you may encounter. Products offer a one-year limited warranty.

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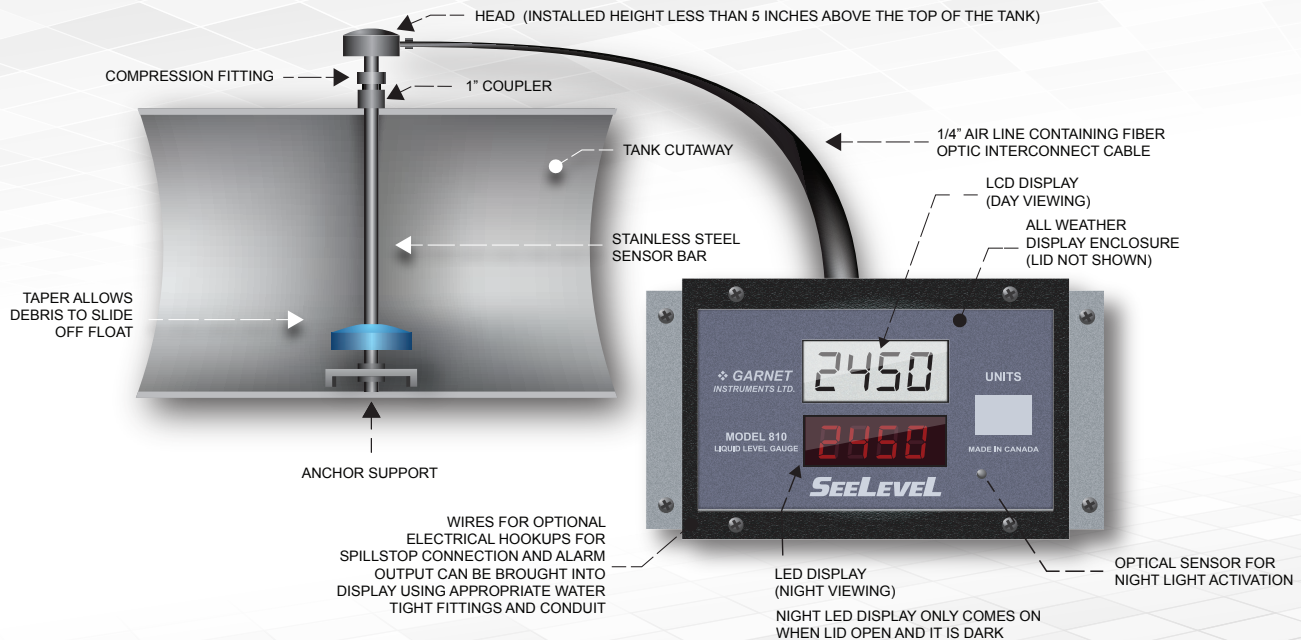
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Principle Operation

The 810-PS2 operates using a magnetic reed switch sender bar detecting the float magnetic field. The system provides a stable resolution of 8 mm ($\frac{1}{8}$ ") and the fixed position of the reeds eliminates any need for recalibration during the life of the gauge.

System Enhancements

Safe, Economical, Convenient

- **SPILLSTOP™** overfill prevention monitors gauge alarm status, activates warning horn and shuts down the pump. Also prevents spills due to hose blow-outs.
- **MULTIRACK™** optic/thermistor rack controller can be added to permit safe loading at rack controlled facilities.
- **Remote Displays:** Additional in-cab or external trailer mounted displays may be added to enhance convenience.
- The **828 Serial Interface** allows gauge readings to be communicated via serial port. Accurate load receipting and remote load monitoring can be added for improved security, dispatching, and customer confidence.

Specifications

Resolution:	8 mm ($\frac{1}{8}$ ")
Accuracy:	+/- 6 mm (+/- $\frac{1}{4}$ ")
Temperature range:	-40°C to +90°C (-40°F to +194°F) product (sender bar) -40°C to +60°C (-40°F to +140°F) ambient (display)
Sender bar:	<i>Bar material:</i> ³¹⁶ stainless steel seamless tube <i>Enclosure material:</i> PBT plastic, lid is polycarbonate Fits any size tank up to ²²¹ cm (⁸⁷ ") in height <i>Battery:</i> Powered by a lithium battery with a lifetime of approximately 10 years
Float:	<i>Material:</i> Medium density polyethylene. Stainless steel float available (optional upgrade). Size: Cylindrical, 178 mm (7") in diameter, 114 mm (4½") high. Buoyancy: Sinks 25 mm (1") in water.
Display:	<i>Enclosure material:</i> Cast aluminum enclosure <i>Enclosure Size:</i> 226 mm (8 $\frac{7}{8}$ ") wide, 143 mm (5 $\frac{5}{8}$ ") high, 92 mm (3 $\frac{5}{8}$ ") deep <i>Display Types:</i> A wide temperature LCD, 4 digit, 7 segment and an LED 4 digit, 7 segment <i>Display Size:</i> 19 mm ($\frac{3}{4}$ ") high digits <i>Battery:</i> Powered by a four AA cell batteries