

SEELEVEL™ SPECIAL

Tank Truck Level & Volume Gauge

Model 808-P2



The **SEELEVEL SPECIAL™** 808-P2 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 808-P2 has over 18 years of proven reliability in the industry.

808-P2 Features

- The system is **self-powered** using a long life lithium battery.
- The LCD display backlight feature allows for **easy night viewing** which requires 12 Vdc power.
- The **rugged enclosure** can stand up to harsh road and field environments.
- 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

The integrated alarm can activate an overfill horn and/or light. The resettable alarm can be disabled at the push of a button.

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.

Printed in Canada

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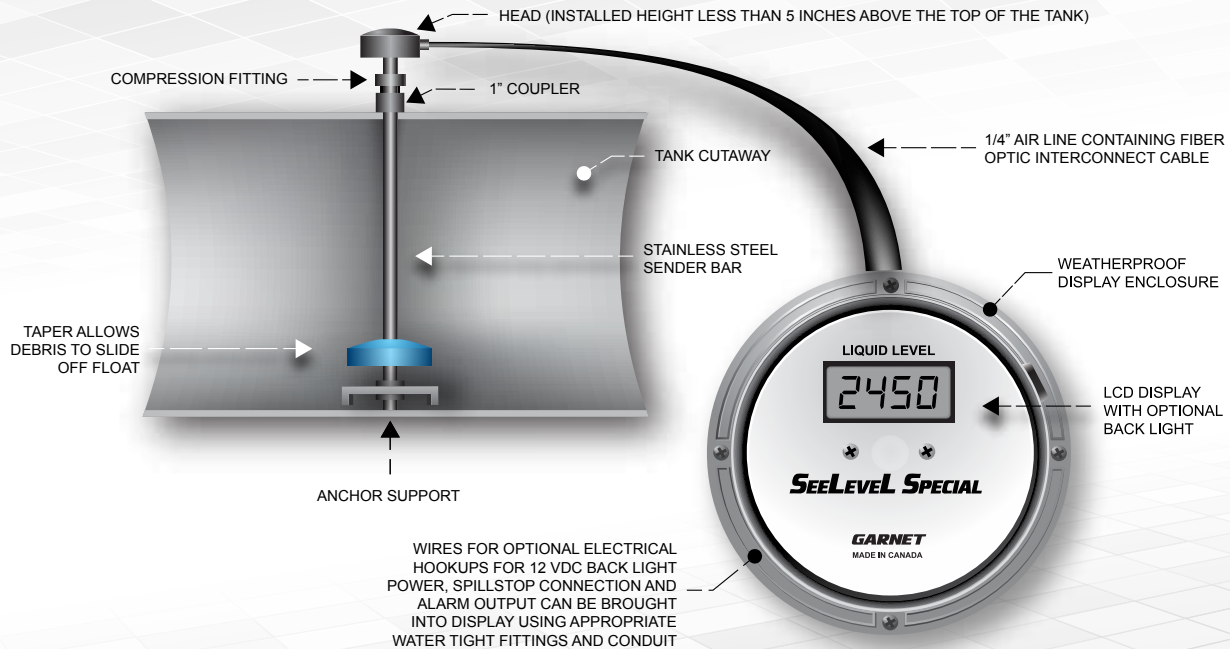
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Principle Operation

The 808-P2 operates using a magnetic reed switch sender bar detecting the float magnetic field. The system provides a stable resolution of 8 mm ($\frac{1}{3}$ ") 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 ($\frac{1}{3}$ ")
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). <i>Size:</i> Cylindrical, 216 mm (8 $\frac{1}{2}$ ") in diameter, 89 mm (3 $\frac{1}{2}$ ") high. <i>Buoyancy:</i> Sinks 25 mm (1") in water.
Display:	<i>Material:</i> Enclosure is PBT plastic, lid is polycarbonate. <i>Enclosure size:</i> 152 mm (6") diameter, 67 mm (2 $\frac{5}{8}$ ") deep. <i>Display Type:</i> Wide temperature LCD, 4 digit, 7 segment <i>Display Size:</i> 12.7 mm ($\frac{1}{2}$ ") high digits <i>External Power:</i> Light behind the LCD is powered by 12 Vdc truck power <i>Battery:</i> Powered by a lithium battery with a lifetime of approximately 10 years

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