

SEELEVELTM SPECIAL

Tank Truck Gauge Model 809-DM



The **SEELEVEL SPECIALTM** 809-DM Truck Multi Tank Dispensing System is designed for body trucks with up to 6 product tanks. The system provides remote communications via a serial port which can be used to remotely program the amount of product to be dispensed and to monitor the tank levels, alarms, and truck PTO status.

809-DM Display Features

- Front panel controls allow the user to accurately dispense specific volumes of chemicals.
- Daytime viewable LCD displays with back-lights for night viewing.
- Weather resistant enclosure is suitable for inside or outside mounting.
- Battery operation of the basic level functions allows checking of tank levels even with the truck turned off.
- The magnetic float system accurately measures liquid and is unaffected by foam, vapor, temperature or pressure.
- Operation from -40 °C to +60 °C (-40 °F to +140 °F) ambient, up to +90 °C (+194 °F) product temperature.

SEELEVELTM Benefits

Cost Effective

An affordable option that provides one system that monitors multiple tanks for dispensing accurate volumes. Fully programmable, it also has remote inputs to connect up to 3 other Garnet gauge systems, which may be used for water tanks on the same truck.

High Accuracy

Accurate measurements are achieved through Garnet's microprocessor-based technology.

One-time Calibration

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

Programmable Alarms

Each tank has its own set of programmable alarms that share a common output for lights, horns, engine shutdowns or valves.

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 122 cm (48") 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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Liquid management solutions, your way.

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Principle Operation

The SEELEVEL SPECIAL™ 809-DM system consists of a display, six sender bars, six donut-shaped floats and fiber optic interconnect cables.

Each sender bar is mounted vertically in the tank with the float sliding up and down around it in accordance with the fluid level. The sender bar sends the fluid level information via fiber optic cable to the display, which displays the level in appropriate units, operates the alarms and houses remote data connection.

Each tank has its own set of alarms, with each set of 6 having a common output to operate lights, horns, engine shutdowns, or valves. The dispense alarm can be programmed from the front panel using the push buttons; it is used to accurately dispense the correct amount of product by sounding a horn or shutting a valve when the amount to be dispensed has been reached.

Specifications

Resolution:	2.54 mm (1/16")
Accuracy:	+/- 1.8 mm (+/- 0.07")
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> is PBT plastic, lid is polycarbonate Fits any size tank up to ¹²² cm (48") in height <i>Battery:</i> Powered by a lithium battery with a lifetime of approx. 10 years
Float:	<i>Material:</i> Medium density polyethylene. <i>Size:</i> Cylindrical, 127 mm (5") in diameter, 105 mm (4 1/8") high. <i>Buoyancy:</i> Sinks 50 mm (2") in water.
Display:	<i>Material:</i> Enclosure is polycarbonate <i>Enclosure size:</i> 160 mm (6 1/4") high x 160 mm (6 3/8") wide, 92 mm (3 5/8") deep. <i>Display Type:</i> Wide temperature LCD, 4 digit, 7 segment and LED light indicators. <i>Display Size:</i> 12.7 mm (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