Tank Gauging Products for Bulk Liquid Storage Tanks
Simple, Safe and Reliable Inventory Measurement
**2500 Automatic Tank Gauge**
The industry standard for float and tape tank gauging for over 50 years
- Provides a level accuracy of 0.2-1" inch (4-25 mm)
- Continuous level measurement with no power required
- Meets API Chapter 3.1B regulations for inventory control applications
- Large, easy-to-read display
- Suitable for virtually every tank gauging application

**Negator Cassette Kit**
The negator cassette kit replaces the existing negator motor and sheave inside a tank gauge to provide the following benefits:
- Improves the performance by self-aligning the tape and motor
- Increases reliability and reduces maintenance by protecting the motor from pipe debris
- Safer, easier and quicker service due to compact unit with no tape to pull or hubs to unwind

**Accessories & Maintenance Kits**
A wide variety or components, spares, and kits are available to suit your tanks’ installation or maintenance requirements, including:
- Floats, manhole covers & inspection hatches, guidewires and anchors, conduit elbows, oil seals and support brackets
- Basic kit for annual maintenance
- Extended maintenance kit for a gauge that has not been maintained for some time
- Overhaul kit for a gauge on a tank undergoing an API 653 inspection

**Ancillary Devices**
Varec offers a choice of cost effective devices for measuring other process conditions, including pressure transmitters, vibration switches, displacer switches, flow meters, etc.

**2520 High-Pressure Automatic Tank Gauge**
Float and tape tank gauge specifically designed for high pressure applications
- Provides a level accuracy of 0.2-1" inch (4-25 mm)
- Continuous level measurement with no power required
- Meets API Chapter 3.1B regulations for inventory control applications
- Kits for spheres or bullet tanks pressurized to 150 or 300 psig (1136 & 2170 kPa)

**2910 Float & Tape Transmitter**
Integrate a float and tape gauge into your inventory management system using the latest and most accuracy encoder technology to date.
- Supports the following tank gauging communication protocols: Mark/Space (1800-1900), EIA-485 MODBUS, Tankway (L&J), GPE or Whessoe Bus (Whessmatic 550)
- Precision designed and manufactured absolute capacitance encoder for optimum level measurement accuracy
- Stainless steel direct-drive gearing ensures smooth, reliable operation
- 3-Wire RTD temperature input and 2 discrete inputs as standard
- Optional 4 contact outputs and an additional 2 discrete inputs
- Optional 2 or 4 SPDT cam-operated switches
- Independent surge protection - galvanically-isolated power circuit and optically-isolated communications
- FM/CSA/ATEX/IECEX approved for use in hazardous areas

**6700 Liquid Level Indicator**
The simplest float and tape gauging product available indicates level on the side of the tank with no power required
- Provides an accuracy of 1" inch (25 mm)
- Durable aluminum gaugeboard with vinyl facing
- Various installation options available for almost every tank type
- Activate visual and audible alarms or drive relays with the 2557 ALS

**2557 Limit Switch**
Provides electronic indication of alarms or relays for tank gauging and inventory control applications
- 2, 4 or 6 SPDT cam-operated switches
- User selects the level (cam positions) when the contact opens or closes
- Mounts to most float and tape tank gauges
- UL/CSA approved for use in hazardous areas

**8200 Current Output Transmitter**
Integrate a float and tape tank gauge into your inventory management system using an analog 2-wire 4-20 mA signal
- Rugged incremental-brush encoder
- Optional 2 or 4 SPDT cam-operated switches
- Optional on-board 115 - 230 VAC power supply
- FM approved for use in hazardous areas

**Temperature Sensors**
Integrate a spot temperature sensor using a tank gauge transmitter to calculate product volumes
- Platinum (Pt100) and copper (Cu90 or Cu 100) elements available
- Universal process connections allow a wide range of compatibility and easy installation

Simple, Safe and Reliable Inventory Measurement
FuelsManager®

FuelsManager®, Varec’s industry-leading software is available in four editions: Standard, Professional, Terminal Automation and Enterprise. This allows you to choose an edition that suits the level of functionality your operation requires. Available features include:

### Inventory Management
- Tank Gauging
- Inventory Management
- Alarm Management
- Trending
- Reports
- Custom Graphics
- Intuitive User Interface
- OPC & Interfaces
- LAN/WAN Networking
- Tank Farm Automation

### Terminal Automation
- Reconciliation & Accounting
- Resource Management
- Order Management
- Load Rack
- Facility Access

### Optional Features
- Leak Detection
- Title V Emissions
- Product Movement Tracking
- Web Server

### Tank Gauge Interfaces
Data acquisition, open systems architecture and host communications
- Easily expandable through the use of plug-in modules
- Reduces cost by integrating all analog, digital and serial data inputs and outputs
- Each module scans all connected tank gauges for measured data, such as level, temperature, density, water level and alarms
- Connects to most manufacturers’ tank gauges, sensors or actuators, and also connects to PLCs and DCS computer systems

### Communications
- Tank Gauging Loop Communications
- Tank Side Communications
- Wireless Communications
- Independent Communications
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Servo Tank Gauges
Measurement of level, interface level, water bottom and density of liquids in bulk storage tanks
- Custody transfer accuracy +/- 0.03" (0.7 mm)
- Integrated level alarms with SIL 2 Approval
- Integrated configuration and operation - no additional handheld devices required
- Direct connection of ancillary devices, such as spot or average temperature, water bottom and tank side display

Radar Tank Gauges
Level measurement of liquids in bulk storage tanks for custody transfer (±1 mm) and inventory control (±3 to 10 mm) applications
- Continuous, non-contact level measurement with no moving parts, provides extremely low maintenance
- Cost effective installations - choose between 2- or 4-wire intrinsically safe technology
- Easy on-tank commissioning, diagnostics and operation via menu-driven alphanumeric display

Tank Side Monitors and Displays
Convenient monitoring, integration and control of all tank sensors
- Intrinsically safe power supply, communication and grade-level display for Varec radar tank gauges
- Connect up to 6 HART devices via intrinsically safe 2-wire communications
- Integrated configuration and operation - no additional handheld devices required
- Approved for use in explosion hazardous areas

Temperature & Water Bottom Sensors
Transmitters, spot and average temperature sensors and water bottom probes can be combined and configured for your specific requirements
- Intrinsically safe device, allowing for the safest electrical configuration possible
- Universal configuration - compatible with other manufacturers’ products
- Variety of process connections and cable entries allow a wide range of compatibility, easy installation and worldwide classifications
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For More Information

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