

2520 Automatic Tank Gauge

Simple and reliable liquid level measurement for high pressure bulk storage applications

Highlights

- Low cost, continuous measurement – up to 0.2" (4 mm) accuracy
- No power required for continuous operation
- 2520 ATG High pressure available in 150, 220, or 300 PSI gage
- Meets API Chapter 3.1B regulations for inventory control applications
- Easy to read display – metric or imperial in decimals or fractions
- ATEX approved for use in potentially explosive atmospheres
- Optional Negator Cassette for reduced maintenance and increased safety

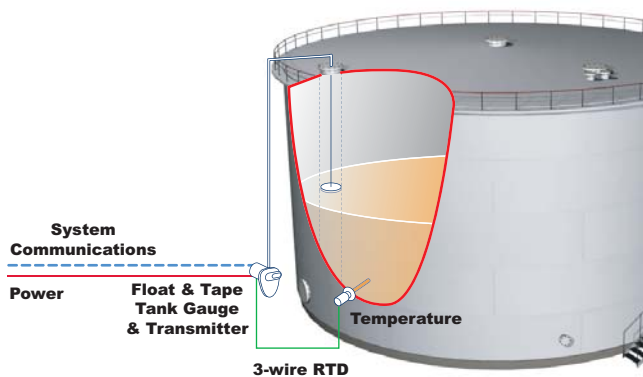


Application

The 2520 High Pressure Automatic Tank Gauge is designed to provide continuous liquid level measurement of products stored in pressurized vessels. The 2520 provides the specific considerations or options for installation on high pressure vessels.

Due to high pressure conditions, the 2520 ATG utilizes a magnetic drive that operates the dial reading mechanism. This drive provides a positive seal-off of the counter compartment and the transmitter housing, eliminating danger of glass breakage, loss of product and the escape of vapors, making it an important safety feature for both personnel and plant facilities.

The measured level is displayed using a dial and counter built into the gaugehead. The 2520 ATG has many product options that allow it to be installed on the tank roof or at the tank side (at grade), which would facilitate ground level reading by the operator. If electronic transmission of level data or temperature measurement integration is required in the control room, then the gauge can be fitted with an optional tank gauging transmitter.



Example Tank Gauging System

Product Options

Gaugehead Materials

- Steel (150 or 300 PSI, 1034 kPa to 2068 kPa)

Units of Measure

- English, metric, decimal, or fractional

Operation

- Negator motor or negator cassette
- Float crank

Float options

- Standard
- Interface
- Stilling well applications

Service Kits

- Standard, moderate, or extreme for aggressive product applications

Installation Kits

- Spherical tank mounting

Options

- Mounting for transmitters
- Mounting for limit switches

Technical Specifications

Product gravity range	0.7 to 1.9 g/cc (700-1900 kg/m ³) specific gravity
Service rating	Atmospheric to 150 PSI (1034 kPa) or 300 PSI (2068 kPa) gage pressure
Gauging range	0 – 60 ft (18 m)
Ambient temperature ranges	-30 to +160 °F (-34 to +71 °C)
Materials	Dependent on installation type and parts selected
Weight	180 lbs. (82 kg) to 250 lbs (114 kg)
Approvals	IP66 - All Models (optional) 150 and 220 PSI (15 Bar) Gauge version conforms to ATEX, Class I, Zone 2 (Ex II 2G T5) only.

Transmitters for Inventory Control

- 2557 Alarm Limit Switch
- 2910 Float & Tape Transmitter
- 2920 Float & Tape Transmitter
- 8200 Current Output Transmitter

