




2920 Float and Tape Transmitter

Tank side data collection, control and automation

Ideal Companion for any Tank Gauge

The 2920 Float and Tape Transmitter (FTT) supports tank side integration and inventory management applications. It also helps reduce the variation in measured levels to improve the accuracy of inventory reporting. With its wide range of optional outputs, the 2920 FTT supports basic automation and control for pumps, valves, alarms, etc.

- **Proven Technology** - The 2920 FTT features a patented encoder that provides the accuracy, repeatability and reliability needed.
- **Service and Daily Operations** - With its touch screen, configuration is simplified and measured inventory data is available at the tank side.
- **Integration and Safety** - Tank gauging protocols, up to 4x HART and digital inputs and outputs provide expansive integration capabilities.
- **Drop-in Replacement** - The 2920 FTT can replace old Varec transmitters without impacting other system components.
- **Communication Protocols** - Industry standard protocols, such as MODBUS, Biphase Mark, Mark/Space and L&J Tankway are supported.
- **Built to Last** - Varec manufactured gauges are backed by an industry-leading warranty.

The 2920 Float and Tape Transmitter has a capacitive absolute encoder, the most reliable encoder available. It provides options for connecting to a wide range of ancillary tank gauging devices.



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Key Specifications and Options

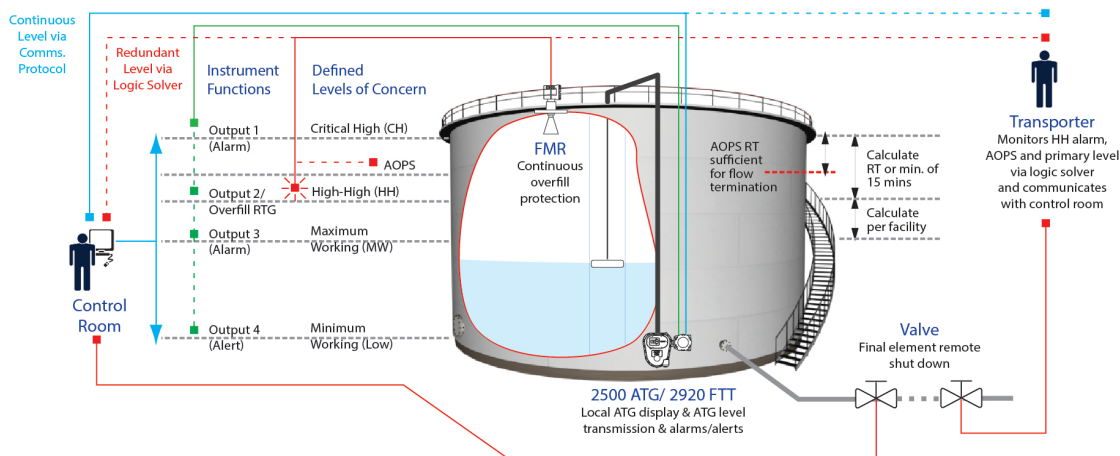
- Accuracy $\pm 1/16''$ (1.59 mm)
- Repeatability $\pm 1/16''$ (1.59 mm)
- MODBUS, Biphase Mark, Mark/Space and L&J Tankway
- Two or four optional limit switches
- Two digital inputs, or four digital inputs with four dry contact outputs
- One analog inputs and/or two outputs
- HART Master for up to four smart devices (explosion proof or intrinsically safe)
- Optional use as tank side monitor for radar gauges
- Approved to cFMus and ATEX/IECEX standards for use in hazardous areas, down to $-40\text{ }^{\circ}\text{C}$



The digital display can be positioned front facing alongside the tank gauge counter display sideways, or rear facing (shown above) underneath the transmitter housing. This allows the transmitter to be installed on existing gauges without having to change their orientation.

API 2350 Standard for Overfill Prevention

An example Category 3 application using float & tape, and radar tank gauge technologies. The 2500 Automatic Tank Gauge (ATG) measures primary product level, while the 2920 FTT transmits level via field communications protocols (i.e. MODBUS, Biphase Mark, Mark/Space and L&J Tankway). Software outputs and limit switches provide level alarm outputs. The Varec FMR Radar Tank Gauge (RTG) measures for overfill (i.e. automated overfill prevention systems & high-high levels). FuelsManager monitors continuous level from the 2920 FTT, redundant level from the RTG via a logic solver and provides system alarms at deviation.



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