

TLS-RF Wireless System

for Underground Storage Tank (UST) Applications

Reliable Wireless Technology

Proven performance for underground storage tanks

The TLS-RF Wireless System solves many problems associated with system upgrades and retrofits. It's easy to install, cost effective and designed to work with any Veeder-Root Automatic Tank Gauge. During the development process, TLS-RF system has been tested for a broad range of scenarios from severe weather conditions to certain site layouts, which could cause data blockage. Extensive data was collected and enhancements were made to release a best in class product. With its robust design and high reliability, TLS-RF Wireless System is a quick and affordable way to bring Veeder-Root industry renowned Automatic Tank Gauge technology to your underground storage tanks.

Whether your need is basic inventory management, sensor monitoring, or the benefits associated with either Static In-Tank Testing or Continuous Statistical Leak Detection (CSLD), Veeder-Root's TLS-RF Wireless System can quickly and easily meet your needs where installing conduit and wiring is not a viable alternative.

TLS-RF Wireless

The TLS-RF System uses industrial grade radio signal with license-free 900MHz frequency hopping technology in North America. Standard Probes, Mag Plus Probes and Mag Sump Sensors communicate with any existing TLS already capable of reading probes or Mag Sump Sensors. Transmitters and battery housings, located in the sump, transmit directly to other system components. This is done without modifications to the sump or forecourt. Receivers and repeaters are placed above ground. The signals collected by the Receivers and/or Repeater are forwarded to the TLS-RF

**Now
Supports
CSLD!!!**



Console Interface Box. The Console Interface Box then converts the radio signal into data the TLS can interpret. The TLS-RF Console Interface Box is wired directly into the Probe Input module or Smart Sensor Module in the TLS-2, TLS-300, or TLS-350 console or EMC, ProPlus/ProMax equivalent.

In order to provide best in class wireless tank gauging performance, the TLS-RF system transfers data between transmitter and receiver at a much shorter time interval than competitive alternatives, which ensures real time reflection of inventory level and makes delivery/dispersing detection and advanced in tank leak detection functions possible.

Approvals

- UL / cUL approved
- FCC part 15 compliant

Features and Benefits

Inventory control and sensor monitoring without the expense of wiring:

- Easy installation
- TLS functionality including CSLD*
- Battery life up to two years
- NEMA 6 equiv package
- Uses standard TLS consoles or EMC, ProPlus/ProMax equivalent
- Range: 100 ft direct line of sight with transmitter underground**

* Single tank only, not for manifold tanks.

** Range varies by application

Part and Components

Part Description	Part Number
Complete Kits	
Kit including all components on receiver side, with repeater, handles up to 8 Probe Sensor	858090-110
Kit including all components on transmitter side, 1 per probe/sensor	858090-001
Installation, replacement and spare parts	
TLS-RF Console (with mounting hardware)	330020-523
900 MHz Repeater (with mounting hardware)	330020-518
900 MHz Transmitter (without mounting hardware)	330020-524
900 MHz Receiver (without mounting hardware) Replacement	330020-516
Battery Pack	330020-527
Receiver/Repeater Installation Hardware Set (inc. bracket and screws)	330020-453
Transmitter Installation Hardware Set	330020-522
Universal Mounting Kit for Mag Sump Sensor	330020-012
MagSump Cable to Transmitter	330272-XXX
RS-485 Cable	332455-XXX

Ease of installation Rugged and Reliable.

