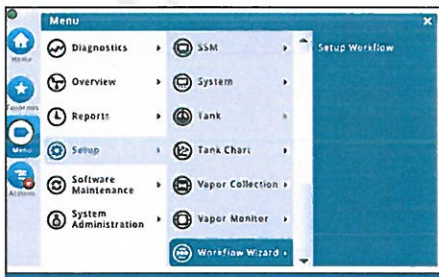


THE PLUS is an ATG Made Simple

An Automatic Tank Gauge is critical to running your business and proper use is vital for an efficient operation. That is why the TLS-450PLUS was developed with the end user in mind. From set-up, to every-day operation, *THE PLUS* is designed to be intuitive and easy to navigate. Backed by our expert training staff, your employees will be confident when using *THE PLUS*.



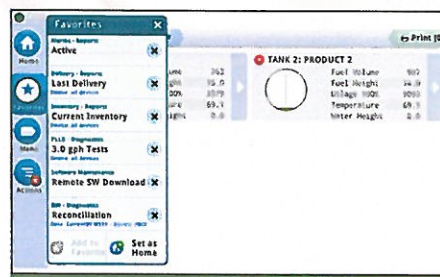
WORKFLOW WIZARD



Setup and resolution made simple. Whether it's a technician setting up your ATG or an employee troubleshooting an issue, the Workflow Wizard is there to guide them. With step-by-step instructions like this, there is no need to find a manual or a computer to navigate the *THE PLUS*.

- Step-by-Step Instructions for Easy Installs
- Built-in Help Guides for Troubleshooting
- Touch-Screen Navigation

FAVORITES



Spend less time in the backroom and more time in front of customers by utilizing the favorites section of *THE PLUS*. Quickly access commonly used areas like reporting and diagnostics to get the job done while minimizing ATG training for employees.

- Choose Your Own Home Screen
- Ability to Save Up to 6 Screens as Favorites
- Multiple User Logins to Set Your Screen, Your Way

VIRTUAL TRAINING



A trained staff can increase productivity, improve safety and boost morale. Get expert training from the people who work with *THE PLUS* every day. Through Veeder-Root's Virtual Training program your staff can learn everything from basic gauge navigation to feature specific functionality to ensure proper knowledge and use of *THE PLUS*.

- A No Cost Training Solution
- Up to 24 Students at One Time
- Customized Training Sessions to Meet Your Specific Needs
- For Inquiries Please Email virtualtraining@veeder.com

Call 888.561.7942 or visit www.veeder.com

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Your ATG Data at Your Finger Tips

The remote access features of the TLS-450PLUS deliver critical inventory and site data when and where it's needed. Monitor alarm notifications and inventory levels in real-time so immediate action can be taken. Resolve issues remotely to reduce dispatching and maintenance costs.

With multiple ways to connect to TLS-450PLUS, you have the tools needed to react faster and reduce site down time.



THE PLUS VIEW



THE PLUS VIEW is a free mobile app for Android and Apple iOS that connects you directly to tank gauge data no matter where you are. Now managers and owners can easily monitor their fuel site inventory and alarms while they are off site.

- Station overview for an immediate status check on tank inventory
- Reports tab allows quick access to Alarm, Inventory, and Last Delivery reports
- Map view to allow for easy navigation between sites

THE REMOTE VIEW



THE REMOTE VIEW application provides a real-time connection to fuel inventory and alarms. This app is available for Android and Apple iOS and is formatted specifically for a better experience in store for site personnel.

- App updates with ATG data as activity happens on site in real-time
- View Active Alarms with one touch
- Audible and on-screen notifications to identify issues easily and quickly
- Regularly monitor tank levels
- For wired and wireless applications

WEB-ENABLED



Take action to resolve on site issues remotely by connecting to your ATG settings and diagnostics using the web-enabled feature. View your site's status, run reports and make adjustments without even being on site.

- Modify ATG Configurations and Access Diagnostics
- Print Wet Stock Management and Compliance Reports
- Email Notifications for Alarms and Reports

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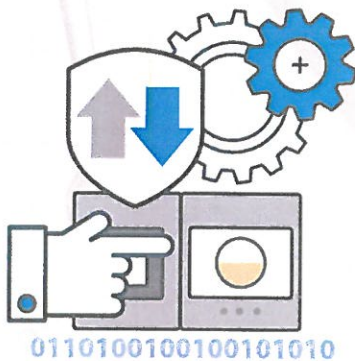
Security

Don't let your ATG be the gateway to your network. There are many different ways your site can be compromised and only the TLS-450PLUS has the protection you need. Whether it's through software upgrades, user access or system protection, Veeder-Root's security solutions will keep your network safe at every level.

No matter your network's size, security comes standard with *THE PLUS*.



Software



0110100100100101010

Custom User Access



System Security



Regularly upgrading your ATG's software is paramount to running your business, but also opens up your network to possible attacks. This is why Veeder-Root is setting the industry standard when it comes to software deployment.

- Centralized Device Management to keep your network closed
- Remote Software Download
- Software downloads direct from Veeder.com

Security helps to reduce risks directly on the gauge. Custom User access supports better control of your data.

- Front Panel Security
- Option for username and password to be required to access the gauge
- Predefined or Custom Roles to assign specific functionality to users
- Screen Permissions include:
No Access, View, Edit/Perform

Designed to limit system vulnerabilities, the PLUS segments security for optimal protection.

- Partitioned Ethernet Ports separate trusted network from internet
- Port Availability Control:
 - SSH Port (22)
 - HTTPS Port (443)
 - Serial Command Port (10001)
- Reassign Port Numbers (e.g. HTTPS on 50443)
- System Integrator CVE Scans and Fixes
- Periodic System Updates

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TLS-450PLUS



What Does THE PLUS Mean for YOU?



THE PLUS is everything you have come to expect from Veeder-Root

PLUS
Intuitive
User Access

PLUS
Free Remote
Visibility

PLUS
Worry-Free
Regulatory Compliance

PLUS
Best-in-Class
Security

PLUS
Enhanced
Performance

PLUS
Industry-Leading
Business Analytics

Intuitive User Access

THE PLUS reduces the time and complexity of configuration management.

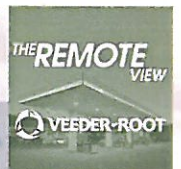
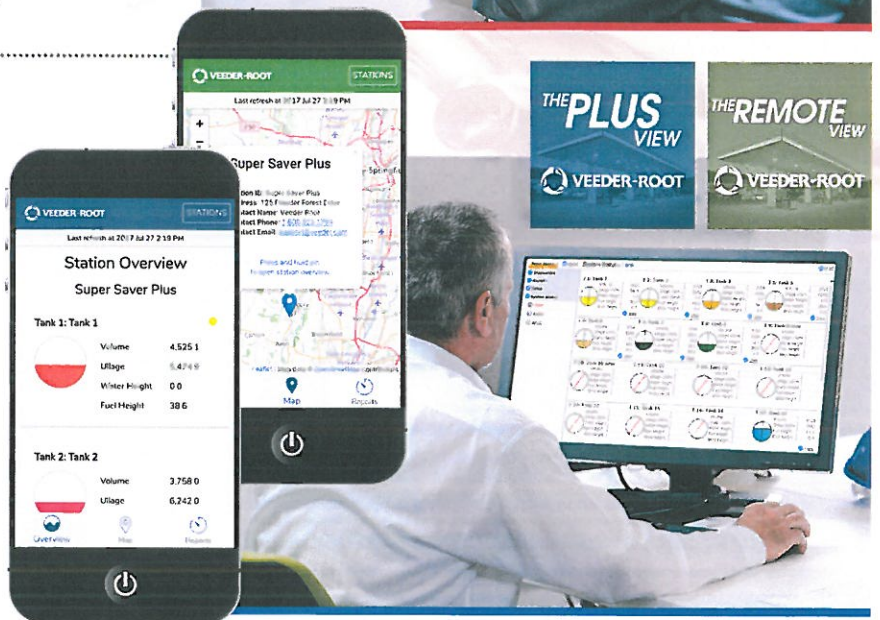
- Customized home screen and favorites options enable easy access to commonly used screens
- Workflow Wizard for easy step by step configuration
- PLUS-size 8" color WVGA LCD display provides simple touch screen navigation
- Built-in help functionality for troubleshooting



THE PLUS Now Comes with Free Remote Access

Veeder-Root provides numerous ways to see and manage site data.

- THE PLUS VIEW and THE REMOTE VIEW are FREE mobile apps compatible with iOS and Android based devices providing visibility to alarms, compliance and inventory information.
- Web-Enabled access is a free service allowing advanced users the ability to manage TLS-450PLUS remotely.



TLS-450 PLUS



Worry-Free Regulatory Compliance

Cutting edge solutions to meet local, regional and national regulations are a continuing focus of Veeder-Root.

- **THE PLUS** offers the largest volume available today for extended line leak detection, supporting ever-growing fuel site locations.
- **THE PLUS** leak detection systems are third-party evaluated and certified by the National Work Group of Leak Detection Evaluators (NWGLDE), providing independent support of product effectiveness.
- **Streamlined reports** allow quick and easy data access while eliminating manual recording errors.
- **Smart data** back-up prevents data loss during system maintenance and during power outages.

Enhanced Performance

THE PLUS was created using superior technology to ensure a long life cycle.

- **Unmatched performance** with 5x processing speed, 8x memory and 2x data storage than the previous generation Automatic Tank Gauge.
- **Built-in data logging** enables approved data transfer for wet stock management.
- **Standard configuration** allowing for up to 64 inputs, expandable to 256.

Instructor-lead VIRTUAL TRAINING



Best-in-Class security

When data protection is a concern, Veeder-Root is the leader in ATG security.

- **THE PLUS** utilizes partitioned Ethernet networks and Secure Socket Layer (SSL) encrypted connectivity to keep networks safe.
- **Customized user access** provides peace of mind for network administrators.
- **Streamlined reports** allow quick and easy data access while eliminating manual recording errors.
- **Multiple software management options** provide instant access to updates and enables seamless deployment across a network.

Industry-Leading Business Analytics

Veeder-Root provides the most robust portfolio of business management tools for the fueling industry

- **AccuChart 3.0** is Veeder-Root's third generation tank calibration solution, providing fast and accurate tank charting.
- **Business Inventory Reconciliation (BIR)** improves business decisions by combining meter transaction sales with AccuChart 3.0 to better understand the site variance.
- **Timed Sudden Loss Detection** monitors unexpected changes in inventory, exposing possible issues including theft during quiet periods.

- **Train employees to leverage the power of THE PLUS**
- **Flexible scheduling to meet the needs of limited resources**
- **Available for groups up to 24 attendees**
- **For inquiries please email: virtualtraining@veeder.com**

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PLUS the Facts

Specifications

Functionality

- Number of Tanks Monitored: 64
- Number of Tanks Monitored with BIR: 32
- Sensor Inputs: 99 of any one type
- Line Leak Testing: 16 lines
- High Voltage Outputs: 32
- High Voltage Inputs: 32
- Low Voltage Inputs: 16
- 8" Color WVGA LCD Touch Screen Display
- Thermal Printer
- Audible Alarm

Connectivity

- Ethernet
- RS-232
- RS-485
- USB
- SiteFax
- EDIM

Available Modules

- Universal Sensor Module
- Universal Input/Output Module
- 10 Amp Relay Controller Module
- MDIM / LVDIM

Software Features

- 3.0 GPH Digital Pressurized Line Leak Protection
- Static Tank Test

Environmental

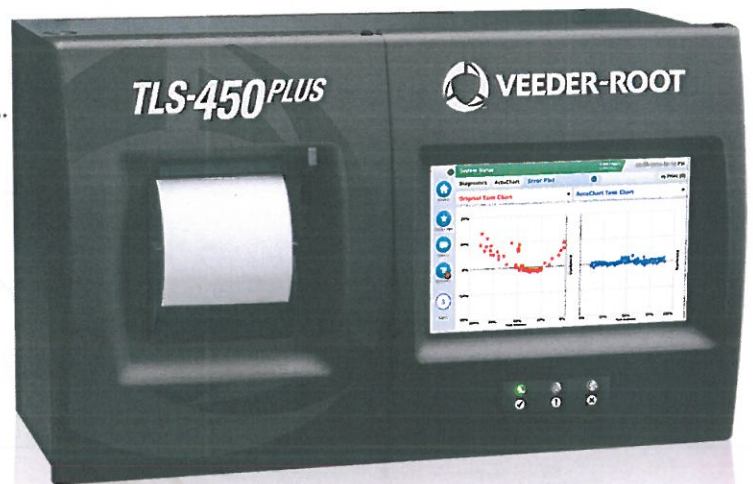
- Storage Temperature Range
-40°F to 158°F (-40°C to 70°C)
- Operating Temperature Range
-32°F to 109°F (-0°C to 40°C)

Dimensions

- 18.4 x 11 x 8.8

Approvals

- UL, cUL, ATEX, IECEx
- Third part certification of leak detection capabilities



The Veeder-Root TLS-450PLUS automatic tank gauge (ATG) provides the most comprehensive site data for advanced fuel asset management.

Combining industry-leading algorithms with a proven reputation for compliance and reliability, the TLS-450PLUS keeps your site running profitably.

Capabilities

- In-Tank Leak test
 - 0.1 GPH
 - 0.2 GPH
 - Continuous Statistical Leak Detection
 - Programmable Automatic Test Schedules
 - Static Leak Detection
- Line Leak Detection
- Interstitial/Sump Leak Sensing
- Continuous Inventory Monitoring
- Supports full line of Veeder-Root probes and sensors
- Pump-control – Alt by Height and Alt by Volume
- Inspector Ready Compliance
- Customized Alarms
- Vapor Well Monitoring
- Groundwater Monitoring
- Air Vapor Monitoring
- Tank Calibration
- Business Inventory Reconciliation
- AccuChart
- Sensor History Reporting
- Power Outage Reporting
- Tall Tank Support
- Wireless probe and sensor input
- Email Notifications
- Data Storage for 3 years
- Expandable with TLS-XB
- Remote Accessibility
- LCD Touchscreen
- Programmable Favorites
- Global setup with import configuration and Workflow Wizard for easy set-up

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