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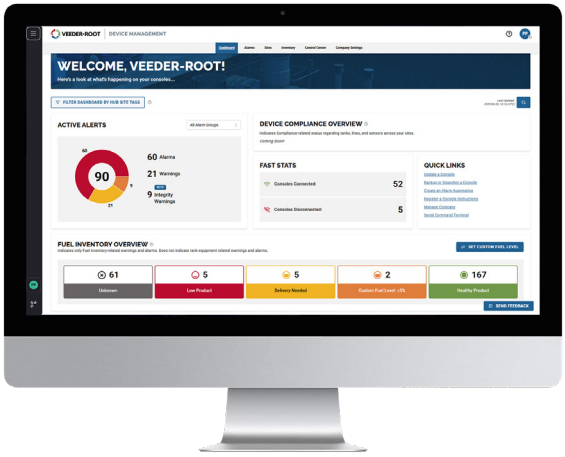
CONNECTED. SECURE. COMPLIANT.

TLS-450PLUS Automatic Tank Gauge

The Fuel Management System to Grow Your Business

Why the TLS-450PLUS?

The TLS-450PLUS Automatic Tank Gauge (ATG) provides the most comprehensive site data for advanced fuel asset management. Combining industry leading algorithms with enhanced security, real-time notification, and anywhere anytime access, the TLS-450PLUS keeps your customer's site running profitably. The TLS-450PLUS is ideal for retail and commercial/industrial applications that have multiple tanks, requiring more than 12 probe and sensor inputs.



MAINTAIN CONTROL OF YOUR FUELING OPERATIONS

- **Inspection ready compliance** – easy access to all federal, state, and local agency reports
- **Remote connectivity** – monitor your site performance, receive real-time alerts, and access compliance data via web-enabled devices – anytime, anywhere, with a wide range of options including THE PLUS VIEW app, Web-Enabled Interface, and Device Management
- **Data protection** – store up to 3 years data and protect it from power outages, battery replacements, or software upgrades
- **Security controls** – partitioned Ethernet networks, customized user access, and Secure Socket Layer (SSL) encrypted connectivity to keep your network safe

OPERATE AT PEAK EFFICIENCY

- **Remote software download** – hassle-free access to software updates
- **Logistics visibility** – increase inventory management awareness to avoid runouts and haulbacks
- **Faster problem resolution** – diagnose and troubleshoot issues remotely to understand ongoing situations better and avoid unnecessary dispatch
- **Customized alarms** – preprogram alarm alerts to provide scenario-specific information to predetermined individuals
- **Graphical User Interface (GUI)** – designed with features for ease of use, including workflow wizard, context sensitive help, and user-defined favorites

TLS-450PLUS
Automatic Tank Gauge

TLS-450PLUS (UL/cUL) Part Numbers	
Application Software	
0333545-001	TLS-450PLUS Application Software
Hardware *	
0860091-302	TLS-450PLUS 8" Color Touch Screen Console with Printer
Interface Modules	
0332812-001	Universal Sensor/Probe Interface Module
0332813-001	Universal Input/Output Interface Module
0333564-001	7-Amp Controller Module
Communication Modules	
0332812-006	USM/ATM Module Group for TLS-450PLUS (For SCVS Installations Only)
0332818-001	SiteFax™ Interface Module
0332866-001	Single RS-232 Interface Module
0332867-001	Single RS-485 Interface Module
0332868-001	RS-232 Dual Interface Module
0332869-001	Dual RS-485 Interface Module
0332870-001	RS-232/RS-485 Dual Interface Module
Feature Enhancement Software	
0332972-006	Continuous Statistical Leak Detection (CSLD)
0332972-007	Ultimate Testing Line Leak Detection for DPLLD
0332972-008	Risk Management Line Leak Detection for DPLLD
0332972-009	Base Compliance Line Leak Detection for DPLLD
0332972-018	Timed Sudden Loss Detection
0333149-001	BIR/AccuChart TLS-450PLUS EDIM Factory Installed
0333580-001	BIR/AccuChart TLS-450PLUS CDIM Factory Installed
0333581-001	BIR/AccuChart TLS-450PLUS LVDIM Factory Installed
0333582-001	BIR/AccuChart TLS-450PLUS MDIM Factory Installed
0332972-101	Vapor Pressure Management Control (PMC for Carbon Canister Only) for TLS-450PLUS Console
0332972-102	In-Station Diagnostics (ISD)/PMC for TLS-450PLUS Console

* *Includes a 2-port RS-232 Module, a 3-port Ethernet Module and a 2-port USB Module*

CAPABILITIES

- **AccuChart™ 3.0 Tank Calibration** – utilizes enhanced geometric tank chart modeling for the TLS-450PLUS with optional restricted tank ranges to perform calibration. Chart volumes are calculated using adjustable geometry parameters: diameter, capacity, end shape, tilt, and probe offset.
- **Business Inventory Reconciliation (BIR)** – improves business decisions by combining meter transaction sales with AccuChart 3.0 Tank Calibration to better understand the site variance. It includes automated reporting on: throughput thresholds, delivery thresholds, capacity thresholds, custom thresholds.
- **Digital Pressurized Line Leak Detection (DPLLD)** – provides advanced line leak detection to meet the capacity of growing fuel sites, certified up to 1,178 gallons (4,459 liters) of capacity. The DPLLD equipment performs a 3.0 Gallons Per Hour (GPH) line leak test following each dispense. With the proper software enhancement feature installed, the DPLLD equipment will also perform 0.2 and/or 0.1 GPH line tests to meet your regulatory needs, eliminating the need for separate annual line leak testing.
- **Built-in Data Logging** – enables approved data transfer for wet stock management
- **Timed Sudden Loss Detection** – monitors unexpected changes in inventory, exposing possible issues including theft during quiet periods
- **Diesel Exhaust Fluid (DEF) Recirculation** – provides a recirculation and/or Temperature Control heat trace system to prevent DEF product from freezing or overheating in lines that utilize DEF in bulk dispensing systems
- **Intelligent Pump Control (IPC)** – allows the TLS-450PLUS to display and report Submersible Turbine Pump (STP) activity through a direct communication link between a STP pump controller and the TLS-450PLUS via a RS-485 connection. This software feature is available only in the TLS-450PLUS platform.
- **Vapor Monitoring** – the TLS-450PLUS supports a wide variety of vapor monitoring solutions, including In-Station Diagnostics (ISD)

INTEGRATED SITE SOLUTIONS

The TLS-450PLUS ATG and STP control boxes act as the interface between the STP and the dispenser, while numerous sensors and probes monitor various conditions to ensure the fueling system remains healthy. If an abnormal state is detected, the TLS-450PLUS ATG will record a condition result and generate an audible and visual alarm to notify the store operator. Remote connectivity options for the TLS-450PLUS ATG ensure that critical site statuses, such as inventory and alarm activity are available to site managers when they are not on-site. Stay connected, secure, and compliant with Veeder-Root's Integrated Site Solutions.

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