



# TLS4 & TLS4B Automatic Tank Gauges

Proven Fuel System Management

The Veeder-Root TLS4 and TLS4B Automatic Tank Gauges (ATGs) help keep your sites running profitably. These ATGs combine precision performance with sophistication, customization and ease of use to deliver proven results.

The TLS4 and TLS4B ATGs are ideal for small retail, commercial and industrial applications. Ensure your site is running at peak performance with a TLS4 Series ATG.



## PERFORMANCE

The TLS4 and TLS4B Automatic Tank Gauges are premier fuel inventory management solutions. They deliver accurate, crucial information, including:

### Fuel Inventory with Temperature Compensated Volume

Sophisticated algorithms compensate for the impact of temperature changes on product volume and deliver a clear inventory picture.

### Business Inventory Reconciliation (BIR)

Automate your daily inventory management process by utilizing dispenser transaction data with TLS probe data resulting in accurate inventory reconciliation. For improving inventory control, utilize AccuChart™ with BIR.

### Automatic Tank Calibration – AccuChart

Proven third generation tank calibration technology provides flexibility in programming to ensure calibration success, delivering the most precise picture of your inventory. AccuChart reconciles tank irregularities that improve your inventory control outcome.

### Centralized Device Management (CDM)

A server-based ATG software package supporting remote upgrades, backups, snapshot captures and change management for the TLS4 Series consoles.

### Continuous Statistical Leak Detection (CSLD) – TLS4 Only

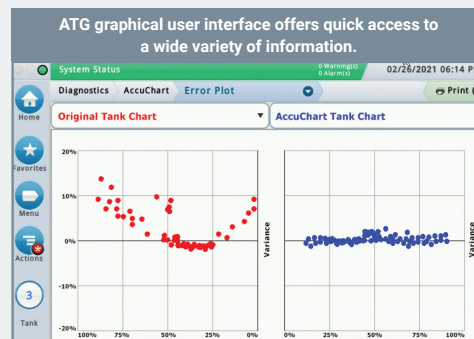
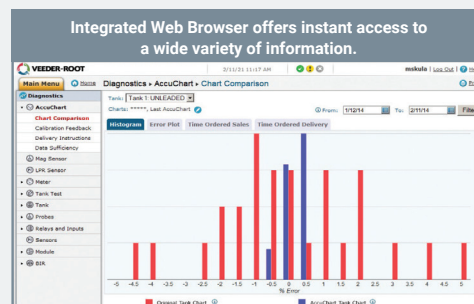
Avoid site shut down when using CSLD for your monthly tank leak detection requirements. CSLD is certified to meet, or exceed, the EPA 0.2 gph/0.76 lph standard.

### In-Tank Static Leak Detection (SLD)

Meet your monthly leak detection requirements with SLD, which can perform a 0.1 gph/0.38 lph and 0.2 gph/0.76 lph. SLD is certified to meet, or exceed, the EPA standards.

### Data Logger

The built-in data logging capability enables advanced inventory management functionality when combined with Insite360 SaaS (software-as-a-service).



# ELLSWORTH

A John M. Ellsworth Company

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## PROTECTION

The Veeder-Root TLS4 and TLS4B monitoring systems use sensors, probes and advanced software solutions to deliver accurate Underground Storage Tank (UST) and Aboveground Storage Tank (AST) information. They protect your fuel assets whether you are on-site or off-site.

### Partitioned Networks – TLS4 Only

Two built-in Ethernet switch networks protects point-of-sale data from the public internet domain.

### Data Protection

Up to 3 years of data storage that is protected in the event of a power outage, battery replacement or software upgrade.

### Reduced Risks

The TLS4 and TLS4B ATGs eliminate manual tank dipping, reduce health and safety risks such as fumes and forecourt access.

### Customized User Access

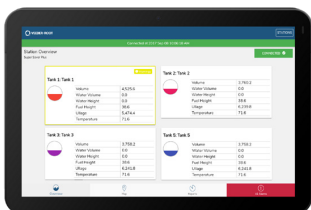
A user-configurable login enables deployment of company specific security controls and procedures.

### Timed Sudden Loss Detection

Provides visibility to changes in inventory due to theft or a possible catastrophic leak during quiet periods via programmable scheduling.

## ▶ REMOTE CONNECTIVITY OPTIONS

The remote access features for the TLS4 Series ATGs deliver critical inventory and site data when and where it's needed. Whether connected through the Web-Enabled Interface, THE PLUS VIEW or THE REMOTE VIEW apps, monitor site performance and receive real-time alerts, compliance reports and variance analysis.



**The Web-Enabled Interface** provides browser based access to the ATG with almost all functionality that is available on the TLS graphical user interface.



**THE REMOTE VIEW** app is available for accessing inventory, delivery and alarm data real-time, as it is continuously connected to the ATG.



**THE PLUS VIEW** app is similar to THE REMOTE VIEW app and is intended for more remote or mobile applications. It automatically pulls data every 15 minutes for checking status without pulling a constant stream of data.



## PROFITABILITY

The compact and powerful monitoring systems are extremely easy to use. View, configure, and control these ATGs using the graphical user interface or access remotely to manage multiple locations to improve efficiency and reliability.

### Color Touch Screen

Easy, clear navigation provides access to critical site information.

### Faster Problem Resolution

Context sensitive help allows remote troubleshooting and diagnosis, preventing unnecessary dispatch and more efficient service calls.

### Customized Home Screen & Favorites

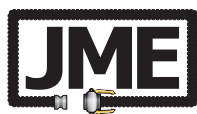
Ease of use saves operator response time.

### Customized Alarms

Provides the ability to rename default alarms to specific action-oriented alarm names that store personnel use to manage the fueling system.

### Future Ready

Performance Enhancement features such as BIR, AccuChart, SLD, CSLD can be added as your business environment changes. Expand the TLS4 by adding a TLS-XB box to add more sensors, or the ability to use 10-Amp Relay, Low Voltage Dispenser Interface Module (LVDIM) and Mechanical Dispenser Interface Module (MDIM).



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## ► TLS4 & TLS4B CAPABILITIES GUIDE

Determine whether the TLS4 or TLS4B console is right for your business based on the console features of each.

EXPANDABLE

Console Features	TLS4	TLS4B
<b>System Capabilities</b>		
Universal Probe and Sensor Inputs	✓	✓
Maximum # of In-Tank Probes	12/32 *	6
Maximum # of Universal Probe and/or Sensor Inputs	12/76 *	6
TLS-XB Expansion Box	✓	N/A
<b>Interface</b>		
Color Display	7" WVGA	7" WVGA
No Display Option	✓	✓
Printer Option	✓	✓
<b>Communications</b>		
Configurable RS-232/485 Serial Ports	2	2
Ethernet Port(s)	3	1
Ethernet Network(s)	2	1
External USB Ports	2	2
<b>Inventory Control</b>		
Hourly Reconciliation Monitoring (HRM)	Optional	Optional
Timed Sudden Loss	Optional	Optional
Business Inventory Reconciliation (BIR)	Optional	Optional
<b>In-Tank Calibration</b>		
AccuChart™	Optional	Optional
<b>In-Tank Leak Detection</b>		
Static Leak Detection (SLD)	✓	Optional
Continuous Statistical Line Leak Detection (CSLD)	Optional	N/A
Digital Pressurized Line Leak Detection (DPLLD)	N/A	N/A
<b>Additional Functionality</b>		
3 Years Minimum Data Storage	✓	✓
Data Logger Built-in	✓	✓
Centralized Device Management (CDM)	Optional	Optional
Free Remote Apps (iOS, Android) for Smart Phones and Tablets	✓	✓
Web-Enabled Remote Connectivity	✓	✓
Work Flow Wizard	✓	✓
Contextual Embedded HELP	✓	✓
Phase Separation Detection Up to E20	✓	✓
Fuel Density Monitoring	✓	✓
Mag-Flex Tall Tank AST Monitoring	✓	✓

\* TLS4 can be connected to a maximum of one TLS-XB Expansion Box



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## ACCESSORIES

### TLS-XB Box

Connect the TLS-XB to the TLS4 for a system solution that is designed to grow with your fuel management needs. \*



### Mag Plus Probe

Designed for both aboveground and underground storage tank applications that require extremely accurate and reliable readings for inventory reconciliation and leak detection.



### Mag Sump Sensor

Uses proven magnetostrictive technology to quickly and accurately detect the presence and amount of fuel and/or water, minimizing emergency dispatch for water intrusion.



### Mag-FLEX Probe

A powerful and affordable inventory management system to avoid dangerous and time consuming tank scaling for manual inventory readings of aboveground storage tanks.

### Interstitial Sensors

Liquid and/or position sensing solutions which detect leaks in the interstitial space of double wall storage tanks.

**Additional accessories and  
functionality available**

\* Compatible with the TLS-450PLUS and TLS4 ATGs



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