TLS4 Series

Automatic Tank Gauges

- ✔ Connectivity
- ✔ Visibility
- ✔ Compliance
- ✔ Security

The first and only tank gauges independently certified to EN 13160-5 Category B1 and B2

Wetstock management solutions

GILBARCO VEEDER-ROOT

TLS4 Series

Comprehensive compliance and wetstock management solutions. For large networks. For single sites. Packed full of features, the TLS4 series is ready and equipped to put you in control of your most valuable asset.

Visibility 👓

Access your data whenever, wherever.

- Clear access to data via a large colour touch screen

- Easy to use, intuitive menu operation

- **Web-enabled:** access and control the gauge from anywhere, anytime

The TLS4 Series - more than just wetstock management

Win back vital hours in your day with the time saving machine of choice for petrol retailers. Let the latest in automation technology eliminate manual record keeping, monitoring and reporting. Freeing up more time for you to reinvest into your business.

The TLS4 Series - the first and only tank gauges independently certified to European Leak Detection Standards EN 13160-5 Category B1 and B2

Advanced features

AccuChart™ Automatic Calibration

Uniquely calibrates the tank automatically to remove virtual variances from wetstock data.

Centralized Device Management

Centralized Device Management allows for network-wide remote software upgrades, backups, and configuration management.

Business Inventory Reconciliation and Hourly Reconciliation Monitoring (BIR & HRM)

Automate daily record keeping. BIR automatically generates variance reports by comparing sales data with fuel levels. The HRM feature monitors this variance and will alarm if the variance threshold is broken. This allows for quick identification of any issue (leak, theft, delivery issue etc).

Timed Sudden Loss (TSL)

Peace of mind offered by continuous monitoring of inventory loss due to theft during quiet periods.

Continuous Statistical Leak Detection (CSLD)

Sophisticated statistical analysis that continually tests for tank leaks to 0.8LPH. During each idle period data is collected for a highly accurate leak detection data base. Allows for continuous site operation. Certified to EN 13160-5 B2 Type 2.

Static Leak Detection (SLD)

Leak detection that delivers a pass/fail result when tanks are static. 0.4LPH & 0.8LPH testing thresholds are available. Certified to EN 13160-5 B1, Type 1 and 2

Digital Pressurised Line Leak Detection (DPLLD)

For sites using pressure technology, Gilbarco Veeder-Root's patented DPLLD technology measures lines at full pressure for highly accurate testing (0.38 LPH).

Compliance

Protect your site, the environment and your reputation. Gilbarco Veeder-Root's TLS4 series are the only tank gauge independently certified to European Leak Detection Standards.

They offer a host of features to give you peace of mind. These include:

- Leak detection
- Range of sensors
- Delivery verification
- Automatic alerts

Security

Gilbarco Veeder-Root is setting the industry standard in protecting your data:

- Frequent software updates
- Segmented networks
- Customisable user access

Technical Specifications

The TLS4 series is available in a choice of 3 options depending on your requirements

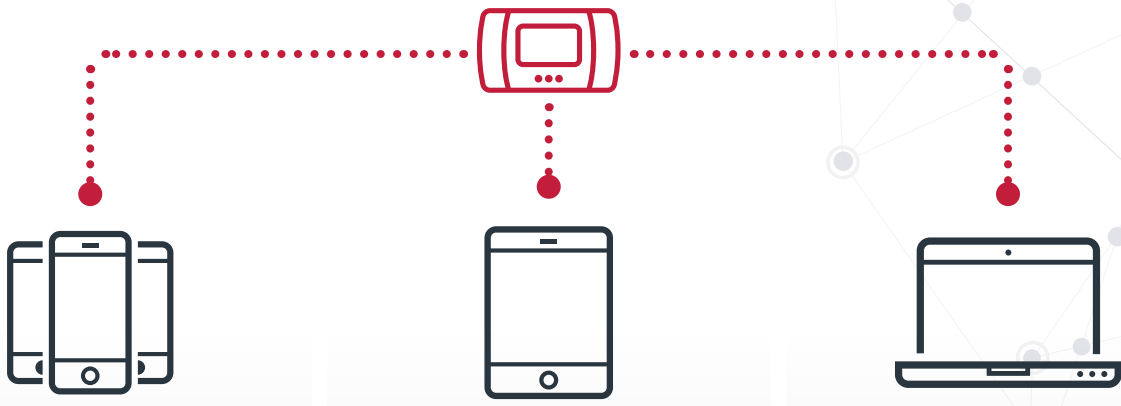| Feature / Console	TLS-450+	TLS-450+ & TLS-XB*	TLS4	TLS4 & TLS-XB**	TLS4B
System Capacities*					
IS Inputs	64	256	12	32	6
In-Tank Probes	64	64	12	32	6
Output Relays	21	32	2	23	2
External Inputs low voltage	16	64	1	17	1
External Inputs high voltage	20	32	✖	20	✖
Interface					
LCD Colour Touch Screen	8.0" WVGA		7" WVGA		7" WVGA
Inventory Control					
Hourly Reconciliation Monitoring (HRM) (Optional)		✔	✔		✔
Business Inventory Reconciliation (Optional)		✔	✔		✔
TSL Timed Sudden Loss (Optional)		✔	✔		✔
Tank Calibration					
AccuChart™ (Optional)		✔	✔		✔
In-Tank Leak Test					
0.38 LPH Volumetric Tank Tightness Testing		✔	✔		Optional
0.76 LPH Volumetric Tank Tightness Testing		✔	✔		Optional
Continuous Statistical Leak Detection (CSLD)	Optional		Optional		✖
Line Leak Detection					
Digital Pressurised Line Leak Detection (DPLLD)	Optional		✖		✖
Data Communications					
RS-232 / 485 Configurable Ports	✖		2		2
RS-232	5		✖		✖
RS-485	3		✖		✖
Ethernet TCP/IP	3		3		1
External USB 2.0	2		2		2
Optional FSF Capability		✔	✔		✔
System Capabilities					
Up to 3 years Data Storage		✔	✔		✔
Email Notification on Time or Event		✔	✔		✔
On Board HELP, Context Sensitive		✔	✔		✔
Web Enabled (access via web browser)		✔	✔		✔

*TLS-450PLUS can be connected to a maximum of three TLS-XB expansion boxes.

**TLS4 can be connected to a maximum of one TLS-XB expansion box.

***TLS-450PLUS and TLS-XB inputs are designated by number of USM (universal sensor modules) and UIOM (universal input/output module). The TLS-450PLUS and each TLS-XB can accommodate a maximum of four modules in total. Each USM has 16 universal inputs and each UIOM has 5 output relays, 5 high voltage inputs and 4 low voltage inputs.

Connectivity

The TLS4 Series - Unrivalled access to your data

THE PLUS VIEW

Mobile phone application

- ✔ Connect Anywhere
- ✔ Connect Anytime

CENTRALIZED DEVICE MANAGEMENT

Remote Configuration Platform

- ✔ Manage Multiple TLS4xx ATGs
- ✔ Upgrade Console Software Remotely
- ✔ Backup Console Programming Remotely

WEB ENABLED

Connect and manage remotely

- ✔ Acknowledge Alarms
- ✔ Run Reports
- ✔ Change Settings

Use of the Plus View, Remote Configuration Platform, and Web Enabled features are dependent on site connectivity. This may require additional site router set up and ISP services.

Pair with Insite360 Fuel Suite for 360-degree control of your most valuable asset

Insite360 Fuel Suite takes away the guess work and offers consistent up to the minute data that allows for strict control over all aspects of fuel management.

- • **Keep your business running by maximising forecourt uptime**
- • **Optimise your wetstock with a team of expert analysts**
- • **Cloud-based service packages to self-manage**

Find out more - email euenquiries@gilbarco.com or visit www.gilbarco.com/eu

INSITE360 Fuel Suite

Go Wireless

The TLS-RF Series 4 Wireless System is the logical choice where in-ground wiring, or forecourt installation is not practical, mainly retrofit or expansion sites.

The TLS-RF Series 4 Wireless System is the next generation wireless platform built on a strong legacy of deployed systems and leverages robust, long-range LoRa® wireless technology.

When combined with the industry-leading TLS-450PLUS or TLS4 Automatic Tank Gauge and proven Mag Plus Probe and Sensor technology, you can rest assured that your site will become a state-of-the-art, secure fuel inventory management system.

Advanced Precision, Super Connectivity

For large networks. For single sites.

Find out how your business could benefit from improved wetstock control, whether you just need data automation, support for an existing wetstock team or process, or a fully outsourced managed service.

Email: euenquiries@gilbarco.com

www.gilbarco.com/eu/

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