TLS4 SERIES

POWERFUL, ACCESSIBLE AND FLEXIBLE WETSTOCK CONTROL

GILBARCO
VEEDER-ROOT

Building Better Business

Why TLS4?

The TLS4 Series combines proven inventory management and leak detection features into a truly scalable system with unprecedented ease of use and accessibility. The TLS4 has been designed to give you better visibility on your fuel movements in real time from any location.

Powerful, accessible and flexible wetstock control:

> Clear access to data and reports via 7" Colour touchscreen

> Easy to use intuitive menu driven operation

> Online context sensitive HELP function to support site staff

> Custom alarm feature ensures consistent issue response and escalation

> Up to 3 years data storage capacity

> Web-enabled means you can access your data anywhere, anytime

> Future-proof with ability to retrofit a wide range of options and upgrade new features
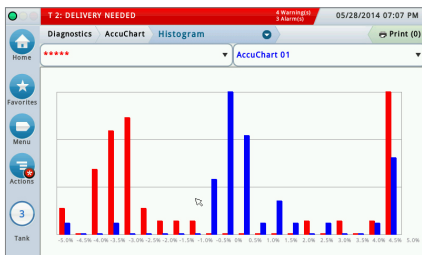
Technical Specifications

TLS4 System Capabilities and Options		
Console Type	TLS4	TLS4B
Part Number - ATEX Consoles	860160-020 (with Display); 860160-010 (no Display)	860166-020 (with Display); 860166-010 (no Display)
Operating System Software	333434-001	333435-001
Operating System	Linux	
Online Context Sensitive HELP	Standard	
Universal Inputs (Probes and / or Sensors)	12	6
Probe Compatibility	All Mag Plus and Mag-FLEX Probes	
Sensor Compatibility	All TLS sensors excluding PLLD and SCVS	
Relay Outputs (5 Amp) [1]	2	2
External Inputs	1	1
SLD Static Tank Testing to 0.38 or 0.76 lph [2]	Standard	Optional
CSLD Statitistical Tank Testing to 0.76 lph [2]	Optional	N/A
AccuChart™ Automatic Calibration	Optional	N/A
BIR Business Inventory Reconciliation	Optional	N/A
HRM Hourly Reconciliation Monitoring	Optional	N/A
Communication Ports	2 x Serial Ports (optically isolated) each configurable as RS232 or RS485	
	2 x USB	
Ethernet Ports	3 (2 share IP)	1
Internet Access	Web-Enabled: View and control the TLS4 from any web or smart phone browser	
Automatic Dial Out of Alarms & Data	YES (via Inform™ or Insite360™)	
Email Notification of Alarms, Events & Reports	YES (via Ethernet)	
User Operation	7" VGA LCD colour touch screen with user-friendly graphic display	
Tank Chart Options	AccuChart™ or Multipoint tank chart, up to 5000 points	Multipoint tank chart, up to 5000 points
Phase-Two Compatibility	YES (requires 4" tank entry)	
TLS-RF Wireless Compatibilty	YES (excludes density probes)	
Language Options	English, Finnish, French, German, Italian, Polish, Russian, Spanish and Portuguese (language choice selectable on set-up)	
Communication Protocols	Gilbarco Veeder-Root Serial Commands, H-Protocol and European Protocol (B⌒A)	
Printer Compatibility	Print via local network or USB (subject to driver availability)	
Voltage	115 or 230 Volts AC, selectable	
Safety Approval	DEMKO 11 ATEX 1111659X	
Operating Temperature	0°C to 50°C	
Storage Temperature	-40°C to 70°C	
TLS4 / 4B Console Dimensions (mm)	221 High x 331 Wide x 92 Deep	
TLS4 / 4B Console Weight	2.9 Kg	

[1] Additional Output Relays can be provided by using an External 8-Channel Relay Output Module p/n 900156   [2] Leak detection probes required

Key Benefits

Powerful wetstock control

Accurate, automated and clear data helps you keep track of your fuel assets from delivery to sale for complete peace of mind.

> ### AccuChart™ Automatic Calibration
> Poor calibration is the single biggest factor affecting tank gauge accuracy. AccuChart™ uniquely calibrates the whole tank automatically to remove confusing virtual variances from wetstock data. Now faster than ever and with advanced graphical diagnostics, AccuChart™ allows for tank and line manifolds to deliver the best possible calibration.

> ### Reconciliation and Leak Detection
> Understanding fuel variance is a challenge and any delay in finding issues can be costly. The reconciliation features in TLS4 automate daily record keeping, saving time and helping to identify sources of variance from delivery to theft. Precision leak detection features can find small unseen leaks in the early stages, and sensors at critical locations on the forecourt protect high risk facilities.

Accessibility, Usability and Flexibility

Easy access to vital wetstock data is available anytime, either on site or from remote locations via any web-enabled device. TLS4 is a system that can grow with your business.

iPhone and iPad users can benefit from the TLS Polling App* to poll their network and refresh station status for data they can use to take action.

*Excluding France

> ### Colour touchscreen and intuitive menus
> The home screen tank graphics provide a clear overview of the site status, with convenient drill-down to view specific detail, inventory, delivery reports and alarm histories. Frequently used areas can be set as favourites for greater convenience, and different user profiles can be set to control access levels.

> ### Easy to use
> The context-sensitive online HELP and Custom Alarm functions reduce training requirements and ensure that a consistent approach and response is taken by site staff whenever an alarm condition occurs. Issues can be escalated in line with company procedures across the network, without having to rely on individual interpretation.

> ### Remote access
> The Web-enabled feature means you can conveniently access your data 365/24/7 from anywhere with internet access, without additional software. The TLS4 can also email you with alarms, events or reports at pre-set times to keep you fully informed. The integral Data Logger feature means you can maximise your investment by benefiting from the Insite360 wetstock analysis service.

> ### Flexible and Upgradeable
> TLS4 systems can simultaneously monitor both level probes and leak detection sensors via universal IS device inputs. The standard feature sets can be enhanced with additional options, either on installation or at any future time through an easy upgrade. Two TLS4 console versions are available, depending on the site's current and future requirements.

Why Gilbarco Veeder-Root?

Our experience and expertise in the fuelling industry means we understand your business and environmental needs better than anybody.

We have an innovative range of wetstock monitoring products and services designed to improve wetstock control, provide risk management and maximise the uptime of your forecourt.

By using our knowledge and experience, we can create variance reduction and loss control systems that help with building better business.

The latest generation Automatic Tank Gauging platform available, the TLS4 Series continues to deliver best in class wetstock management features from the world leaders in tank monitoring systems.

Gilbarco Veeder-Root Solutions

With a universal range, global reach, deep-rooted expertise and superior customer service, Gilbarco Veeder-Root is committed to building better business for its customers.

Wetstock Management

Improve performance, uptime and security

Our comprehensive range of compliant and reliable Wetstock Management solutions offer you advanced engineering and a responsive service. Scalable and customisable, our tools provide control, security and data across networks of all sizes, anywhere in the world.

Ultimately, our solutions enable you to stay compliant and in control.

Our range includes:

> Automatic Tank Gauging
> Submersible Turbine Pumps
> Remote Monitoring - Insite360

Business Support

Protect assets and drive operational efficiency

Our Business Support solutions minimise downtime and disruption by providing the tools, services and technology necessary for our customers to get more from their businesses.

With an extensive reach throughout Europe, you can be assured that no matter where your business takes you, our comprehensive range of services will always be available.

Pumps & Dispensers

Robust, reliable, accurate and secure technology

Our Pumps & Dispensers feature flexible, innovative and upgradable technology. They not only grow with your business, but also improve the forecourt experience for your end-users.

By focusing on the unique requirements of our customers, we deliver high quality and reliable solutions that are designed to support better business now and in the future.

Retail Solutions

Maximise profitability and minimise overheads

Our leading Point of Sale (POS), Head Office Systems (HOS), Back Office Systems (BOS) and forecourt controllers create new business at the pump and enable deeper insights into stock, logistics and security.

Working alongside our wide range of products and services, our Retail Solutions are designed to work for you.

Building Better Business

Tel: +44 (0) 1268 533090
E-mail: eusales@gilbarco.com
Visit us: www.gilbarco.com/eu

GILBARCO VEEDER-ROOT