

TLS4xx

RELIABILITY, PERFORMANCE, EASE OF USE

Keeping the World Moving



GILBARCO
VEEDER-ROOT

A COMPLETE CONSOLE RANGE FOR EVERY CUSTOMER



TLS4B

- › Monitors up to 6 probes and sensors combined
- › Optional feature upgrades
- › Ethernet – single network
- › Comprehensive inventory monitoring and tank / sensor leak detection



TLS4

- › Monitors up to 12 probes and sensors combined
- › Optional feature upgrades
- › Ethernet – dual network
- › Comprehensive inventory monitoring, wetstock management and tank / sensor leak detection



TLS450^{PLUS}

- › Monitors up to 64 probes and sensors combined, expandable to 256 inputs
- › Optional feature upgrades
- › Ethernet – dual network
- › Comprehensive inventory monitoring, wetstock management, tank / sensor & pressure line leak detection





KEY RANGE FEATURES

Future Proof And Connectivity

- > Fully ready to use with Insite360
- > Access data remotely from any internet capable device
- > IFSF connectivity (LON & TCP/IP) – new for 2016
- > Time-proven Veeder-Root quality and reliability
- > Veeder-Root's gauging platform for years to come

Keeping the

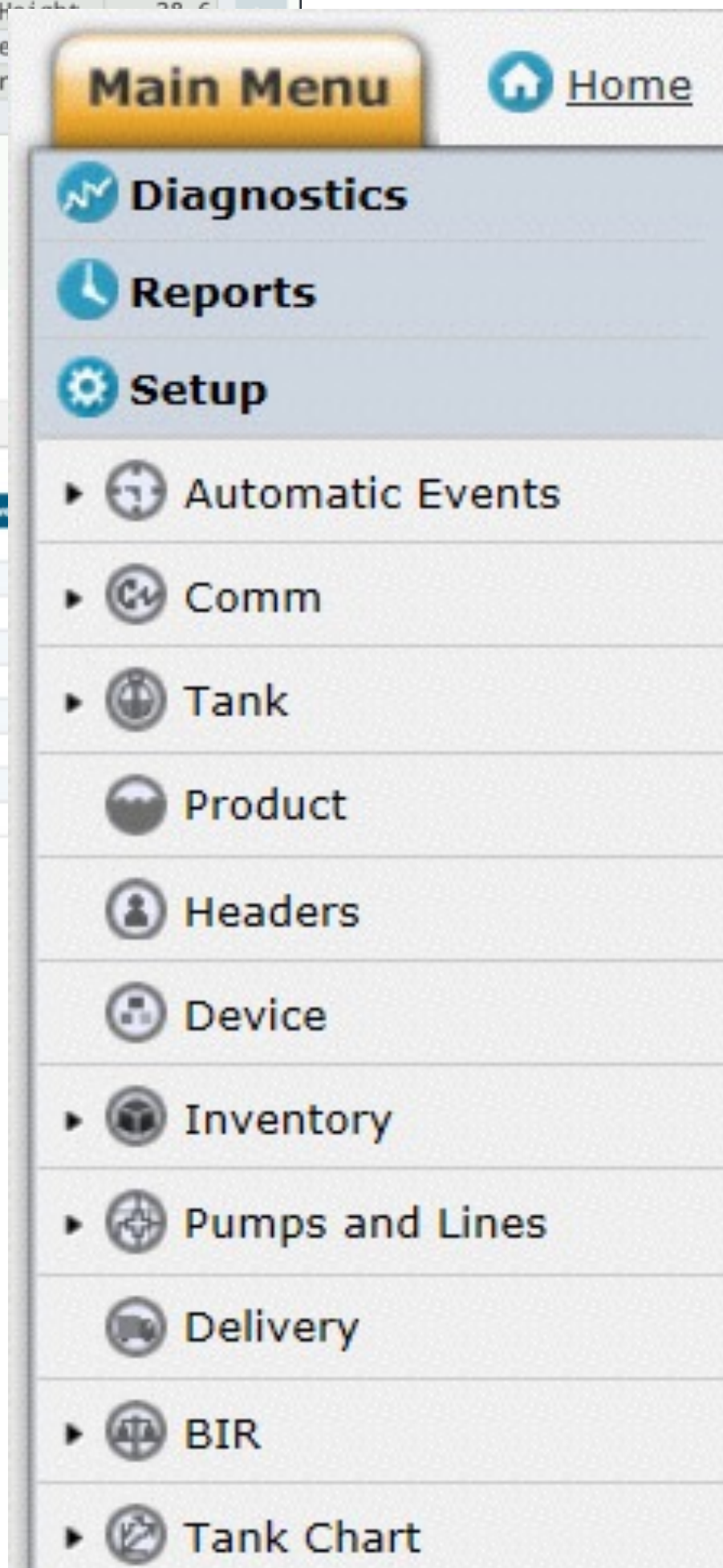
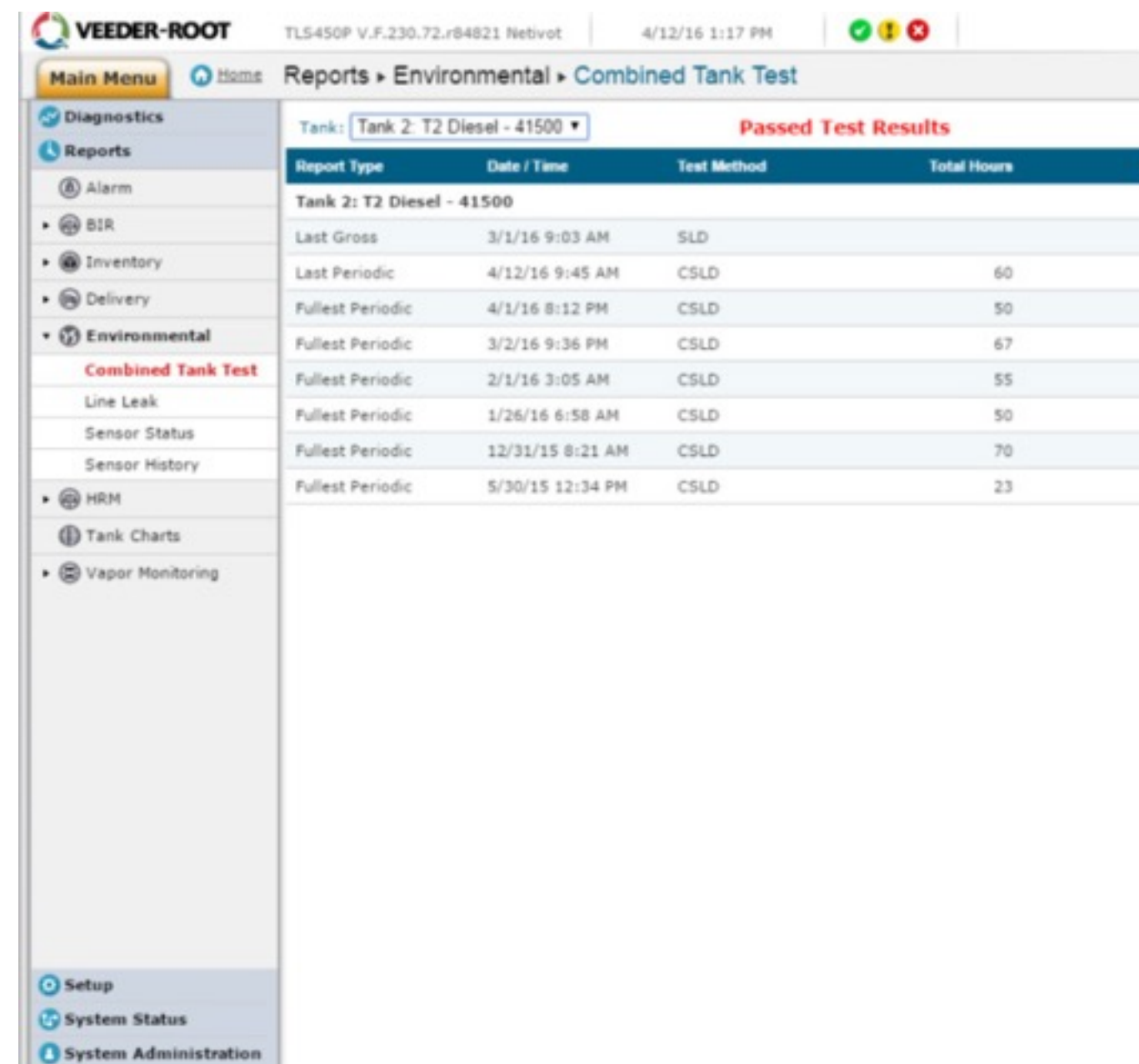
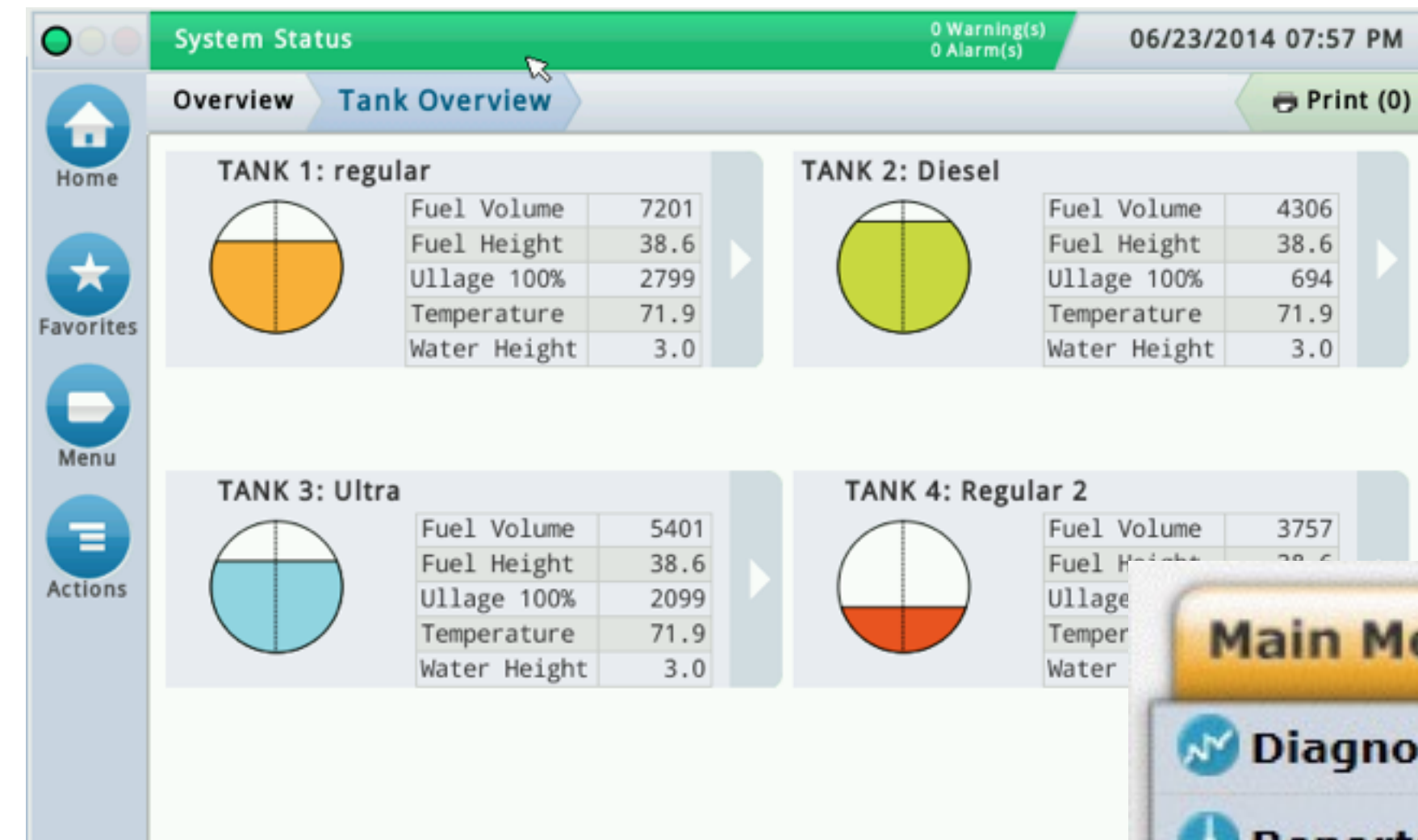


**GILBARCO
VEEDER-ROOT**

KEY RANGE FEATURES

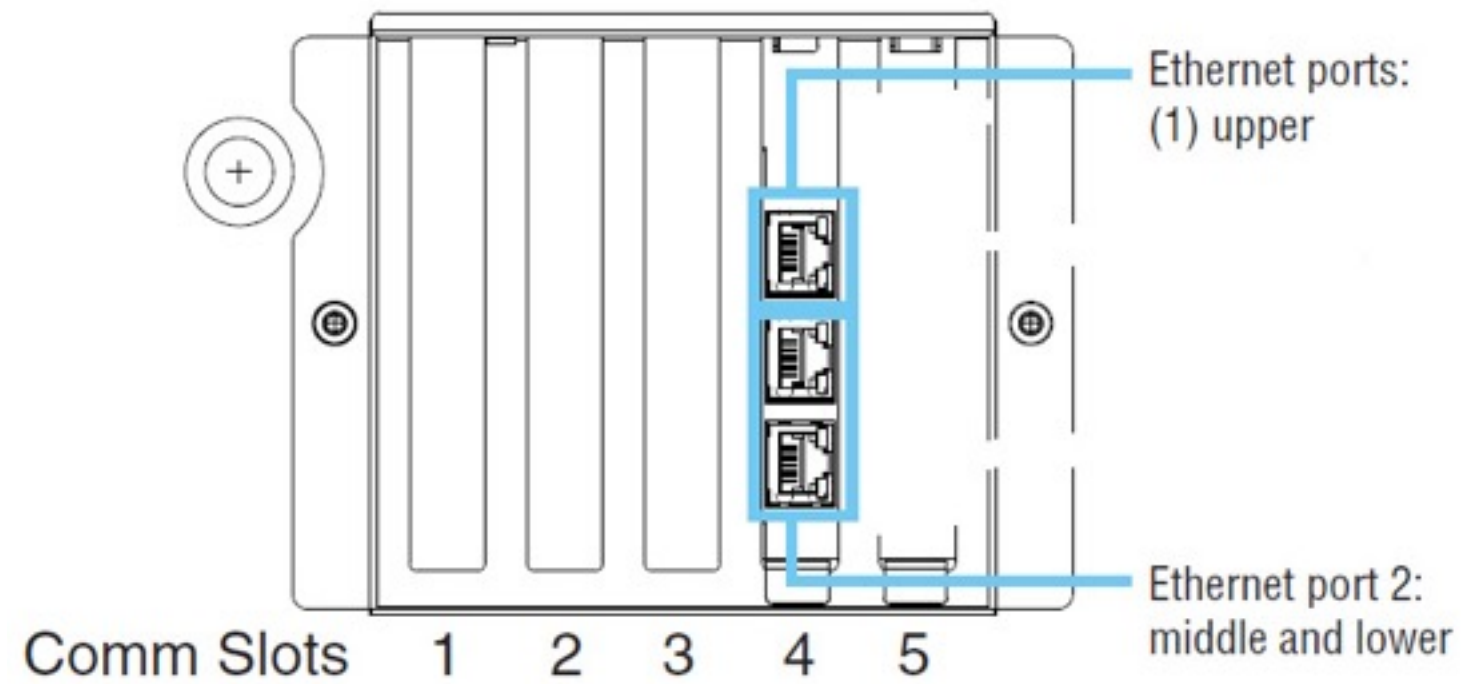
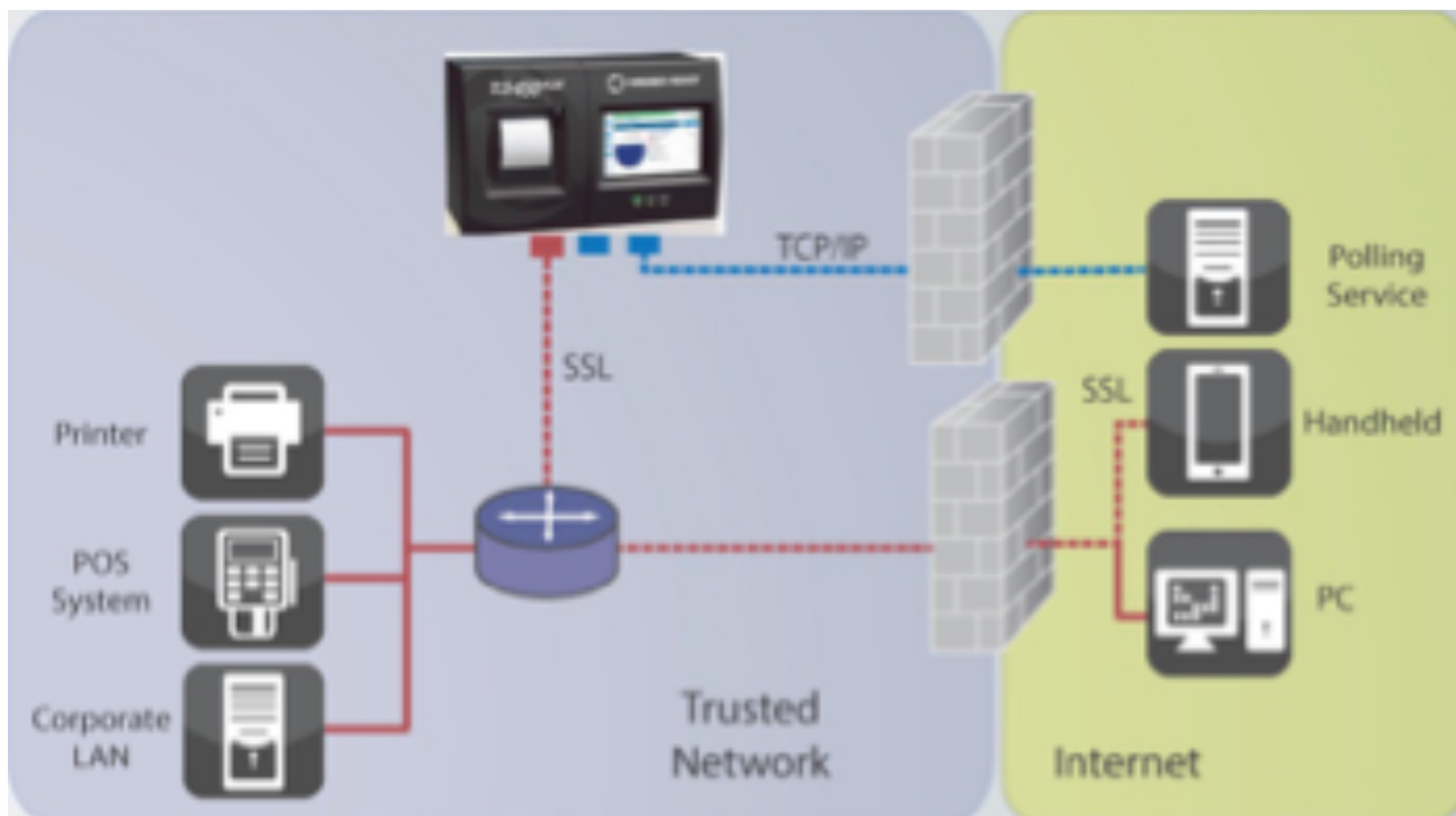
Superior ease of use

- › Colour touch-screen with intuitive menu operation
- › Access, view & print data at multiple work stations
- › Context-sensitive HELP function maximises user proficiency
- › Workflow Wizard facilitates fast and accurate setup



Keeping the world Moving





KEY FEATURES ACROSS THE RANGE

Security

- > Advanced security features
- > Use of Secure Socket Layer (SSL) on Web-Enabled interface for online integrity

Keeping the world Moving



GILBARCO
VEEDER-ROOT

TLS4B

- › Designed for smaller sites with a low – medium risk profile
- › Provides monitoring features to automate inventory control at retail or commercial fuelling facilities
- › Saves time, reduces risk and improves safety



Keeping the world Moving



GILBARCO
VEEDER-ROOT

TLS4B

Standard Features

- › Inventory reporting, standard and temperature corrected volumes
- › Water detection
- › Inventory increase reports
- › Programmable in-tank high / low level alarms
- › Minimum 3 years data storage

As option:

- › Static leak detection / tank testing for single wall tanks to 0.38 or 0.76 LPH
- › Timed Sudden Loss – alerts to unscheduled fuel movement



Keeping the world Moving



GILBARCO
VEEDER-ROOT



TLS4

- › For small to medium size sites with a medium – high risk profile
- › Can support wetstock management features to provide higher levels of risk management and environmental control

Keeping the world Moving



GILBARCO
VEEDER-ROOT



TLS4

AccuChart™ automatic calibration

- › Can support wetstock management features to provide higher levels of risk management and environmental control

Continuous Statistical Leak Detection (CSLD)

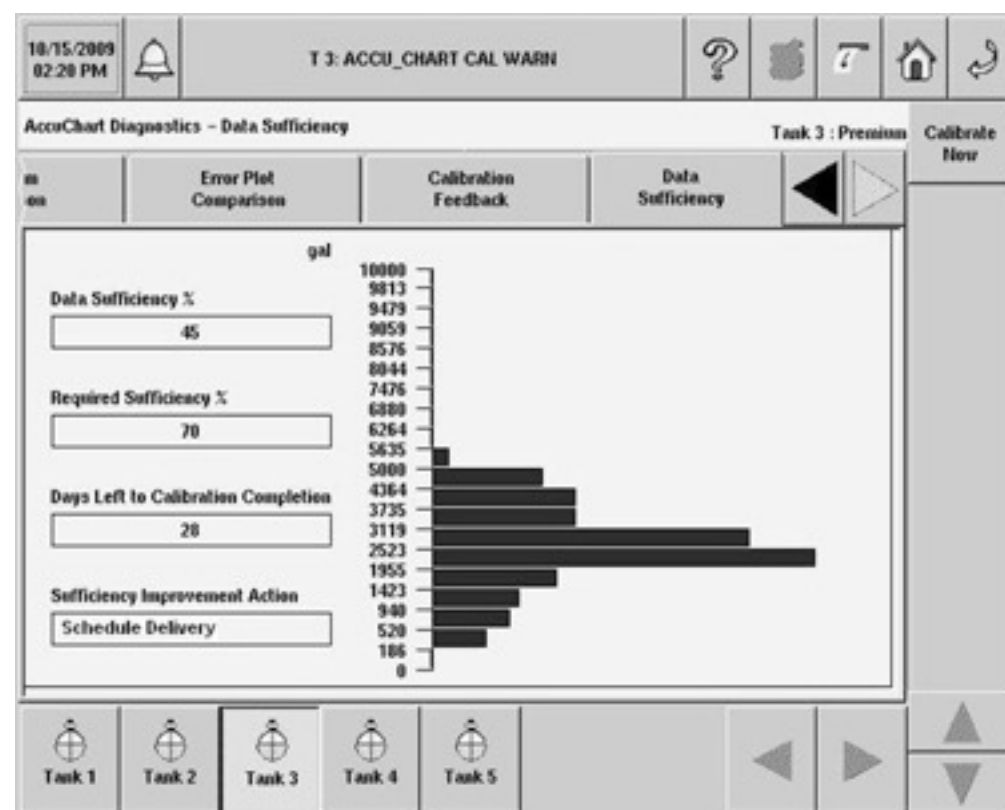
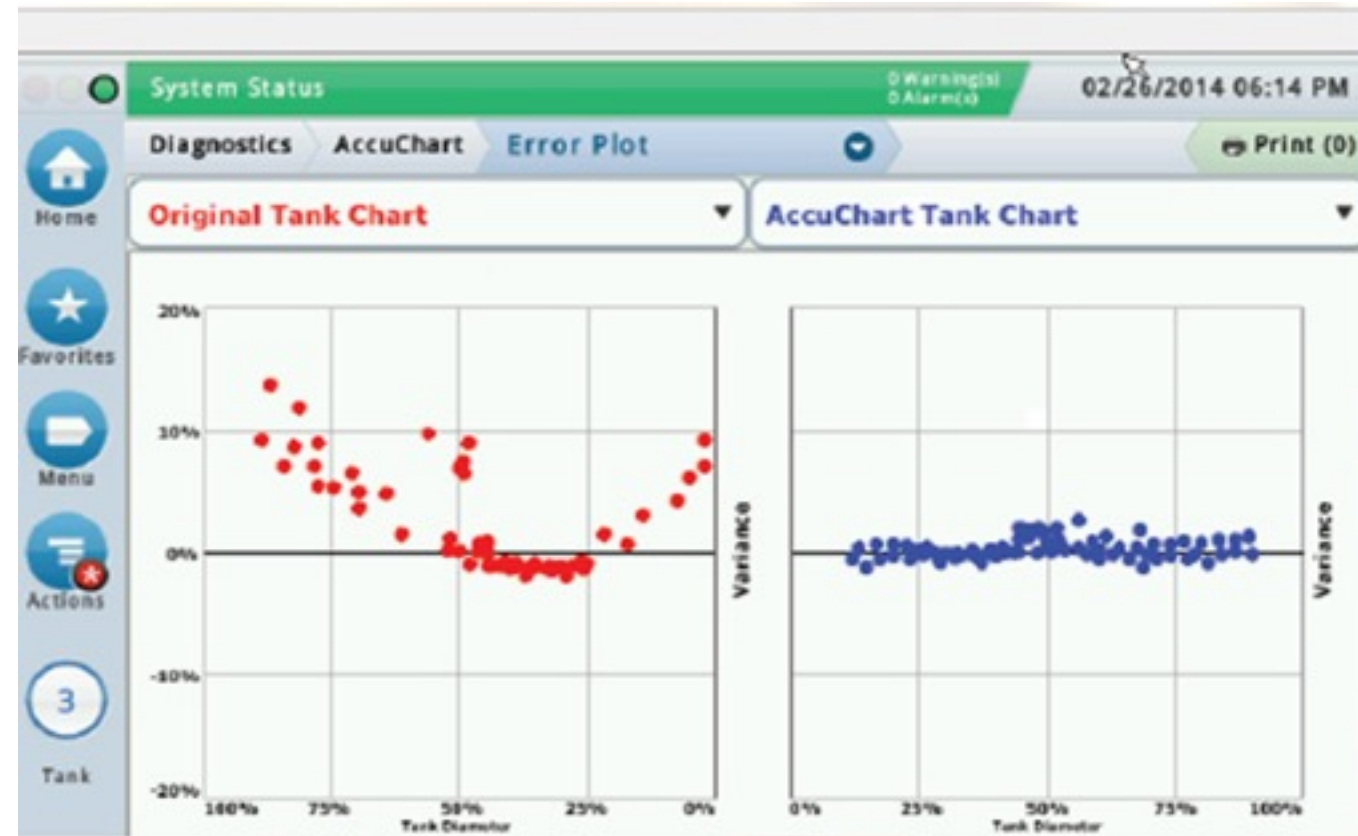
- › Tests single wall tanks to 0.76 LPH without tank shutdown, enhancing risk management for 24 hour operation

Business Inventory Reconciliation (BIR) and Variance Analysis (VA)

- › Automate the reconciliation process, explain delivery and temperature variances and allow delivery verification

Hourly Reconciliation Monitoring (HRM)

- › Dynamic reconciliation keeping watch that sales match tank movements as the site trades



Reports - BIR - Test Report

Product: Product 1 - Regular

From: 2009 To: 2014

End Date	Test # / Type	Threshold Type	Result	Sales	Delivery	Variance	Threshold Limit
2/27/13	1 - Monthly	Throughput	Fail	72233	68574	10635	852
2/27/13	2 - Monthly	Throughput	Fail	72233	68574	10635	852
12/14/12	1 - Monthly	Throughput	Fail	0	0	26849	130
12/14/12	2 - Monthly	Capacity	Fail	0	0	26849	190
12/1/12	1 - Monthly	Throughput	Fail	10536	20015	47743	315
12/1/12	2 - Monthly	Throughput	Fail	10536	20015	47743	315
11/1/12	1 - Monthly	Throughput	Fail	313891	319840	-11641	3086
11/1/12	2 - Monthly	Throughput	Fail	313891	319840	-11641	3086
8/1/12	1 - Monthly	Throughput	Fail	12367	15573	-4420	254
5/1/12	1 - Monthly	Throughput	Fail	11944	17100	-4334	249
4/1/12	1 - Monthly	Throughput	Fail	12870	9480	-3840	259
3/1/12	1 - Monthly	Throughput	Fail	11014	13730	3734	240
2/1/12	1 - Monthly	Throughput	Pass	35740	32680	341	487
1/1/12	1 - Monthly	Throughput	Fail	32742	28989	2632	457

Keeping the world Moving



GILBARCO
VEEDER-ROOT

TLS450^{PLUS}

For larger sites with a medium – high risk profile and/or pressure pumping systems

- › Monitor up to 64 probes and sensors combined
- › Pressurized Line Leak Detection (PLLD) to 0.38, 0.76 and 11.4 LPH
- › Environmental risk management of STPs with automatic shut down in line test fails
- › Protect STPs from costly water pumping & dry-run
- › Extended control through multiple Relay Output & External Input options



Keeping the world Moving



GILBARCO
VEEDER-ROOT



TLS-XB

Expand TLS4xx capabilities even further
(for TLS4 and TLS450^{PLUS})

- > Up to 99 sensors of any one type
- > Up to 32 probes
- > Up to 256 total devices
- > Provides additional Input and Output relay capabilities
- > Various cable lengths for maximum flexibility



Keeping the world Moving



GILBARCO
VEEDER-ROOT



The Gilbarco Veeder-Root Advantage

- > Over 40 years of experience developing ATGs
- > To date, our gauges have monitored over half million tanks worldwide
- > Unparalleled record of durability and reliability
- > Comprehensive support network across the region

Keeping the world Moving





GILBARCO

VEEDER-ROOT

Keeping the World Moving



GILBARCO

VEEDER-ROOT