

# TLS-450

## RELIABILITY. QUALITY. INNOVATION. SERVICE.

At Veeder-Root, we've delivered on those promises over 100,000 times worldwide. With our new TLS-450 platform, the same promises apply, along with benefits that will keep your stations several leaps ahead of an ever-changing environment.

### Introducing the TLS-450.

Tank gauging that's ready for today's needs and tomorrow's challenges. Based on next generation technology, the TLS-450 can help you adapt quickly to ever-changing business environments. You can customize it to fit the needs of your operation and ensure consistent site configuration across your network. Touch screen access and plug & play setup make integrating the TLS-450 easy. The TLS-450 opens a window to your sites via the Web, your PC, or your PDA to more efficiently manage your fuel inventory and compliance requirements. So you can protect your assets, as well as land, air, and water. At the end of the day, that's what counts.

### Optimize. Customize.

The TLS-450 offers a variety of options for access, control, data storage, and business management so you can tailor your system to fit the unique requirements of your operation. It's up to you, and we're here to make it simple.

#### Option 1: Total Access

Wherever you are, you can access or monitor your sites via any Web browser on your PC or PDA. And using the TLS-450 Direct Access™ Software on a PC, you can securely control and modify configuration, upgrades and diagnostics.

#### Option 2: Total Control

To make sure that all of your sites are under control, you can customize multi-level password access, alarms, email notifications, reports, built-in "Help" and dashboard views.

#### Option 3: Master Setup

From the factory, we can load in your setup specifications for uniform configuration across all sites, including passwords. This blocks unauthorized changes to your setup and notifies you of any modifications.

#### Option 4: Extended Storage

Back up your reports, alarms, compliance, inventory, delivery and reconciliation data for up to three years.

#### Option 5: AccuChart™

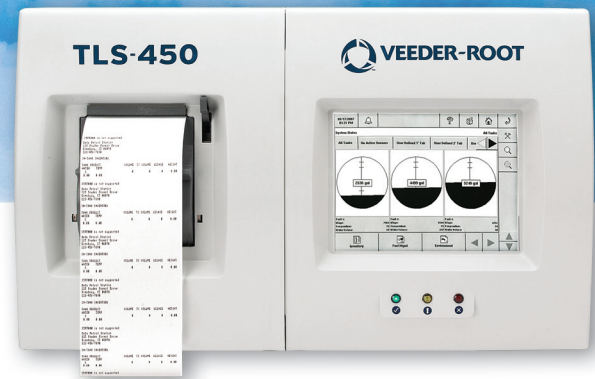
AccuChart™ calibrates and updates tank charts for accurate inventory level readings, while adjusted delivery reporting makes sure dispensing during delivery is considered.

#### Option 6: Automatic Reconciliation

Automatically manage your inventory with no guesswork about the sources of variance. Your sites will benefit from optimum inventory, better delivery scheduling and reduced risk of outages.

### System Capabilities.

- ⇒ Inventory and delivery monitoring and reporting
- ⇒ Up to 3 years of data history
- ⇒ Replenishment recommendation
- ⇒ Emergency generator applications and reports
- ⇒ Automatic business inventory reconciliation
- ⇒ Enhanced AccuChart™ automatic tank calibration and adjusted delivery
- ⇒ Interstitial/sump monitoring capabilities
- ⇒ Dispenser sump monitoring capability
- ⇒ Vapor well monitoring capability
- ⇒ Groundwater monitoring capability
- ⇒ Audible and visual alarm capabilities
- ⇒ Custom alarms
- ⇒ Email notification and reporting
- ⇒ Fax notification and reporting
- ⇒ Computer-to-computer notification and reporting
- ⇒ Multilevel password access
- ⇒ Customized Master Setup
- ⇒ Continuous Statistical Leak Detection Software – 0.2 GPH
- ⇒ 3.0 GPH, 0.1 GPH and 0.2 GPH in-tank leak detection
- ⇒ 3.0 GPH, 0.1 GPH and 0.2 GPH line leak detection capabilities
- ⇒ Leak testing and reconciliation for manifolded tanks
- ⇒ Sensor status report
- ⇒ 7.4" full VGA LCD touch screen
- ⇒ High resolution and high speed printer
- ⇒ Relay output/external input module
- ⇒ Universal sensor and probe module
- ⇒ Universal compartments support universal sensor and probe module, and relay output/external input module
- ⇒ Universal EDIM and CDIM modules
- ⇒ Built-in relay
- ⇒ Supports multiple languages
- ⇒ Plug and play. Intuitive and user-friendly interface
- ⇒ Single touch access to most functions
- ⇒ On-board Help
- ⇒ Custom on-board "Help"
- ⇒ Custom reports
- ⇒ Web remote access
- ⇒ TLS-450 Direct Access™ Software
- ⇒ Software remote upgrade
- ⇒ 9 communication ports
- ⇒ Internal auto-dial fax (SiteFax™)/modem communications
- ⇒ Ethernet communications
- ⇒ RS-232 data communications
- ⇒ RS-485 data communications
- ⇒ Satellite data communications
- ⇒ USB ports



# TLS-450 INTEGRATED SOLUTION FOR CENTRALIZED, SINGLE SYSTEM SITE MONITORING

## Standard Models

### Description:

TLS-450 console with 80 column high speed thermal printer and 7.4" full VGA LCD touch screen

Supports up to 64 sensors

Supports up to 32 probes

### TLS-450 Plus Interface Modules:

TLS-450 contains 4 compartments in which the universal sensor/probe or Input/Output interface modules can be installed interchangeably.

One module per compartment.

Description	Function
<b>LOW-POWER/HIGH-POWER COMPARTMENTS</b> <i>(limit 4 modules per console)</i>	
Universal sensor/probe interface module	16 input module, supports probes and sensors
Universal Input/Output interface module	5 dry contact output relays/4 low voltage inputs (<=12Vdc)/5 high voltage inputs (<=240Vac)
<b>COMMUNICATION COMPARTMENT</b> <i>(limit 5 modules per console)</i>	
SiteFax™ interface module	Allows hookup to most remote facsimile or modem equipment
Ethernet interface module	Provides connectivity to local and wide area networks (LAN/WAN)
USB interface module	Supports USB thumb drive and external printers
USB/Ethernet dual interface module	Provides connectivity to local and wide area networks(LAN/WAN). Supports USB thumb drive and external printers
RS-232 dual interface module	Provides two 9-pin D-connectors for data transmission to P.O.S. terminal or computer
RS-232/RS-485 dual interface module	Provides a 9-pin D-connector and an 8-position RJ45 D-connector for data transmission to P.O.S. terminal or computer
Single RS-232 interface module	Provides a 9-pin D-connector for data transmission to P.O.S. terminal, computer or V-Sat network
<b>DISPENSER INTERFACE MODULES</b> <i>(installs in communication compartment)</i>	
Universal Electronic Dispenser Interface Module (EDIM)	Supports all systems that use point-to-point loop
Universal Current Loop Dispenser Interface Module (CDIM)	Supports all systems that use current loop
<b>SPECIFICATIONS</b>	
Operating Temperature Range	32°F to 118°F (0°C to 45°C)
Storage Temperature Range	15°F to 118°F (-10°C to 45°C)

To learn more, contact us at 1-888-561-7942, or visit [www.veeder.com](http://www.veeder.com)



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