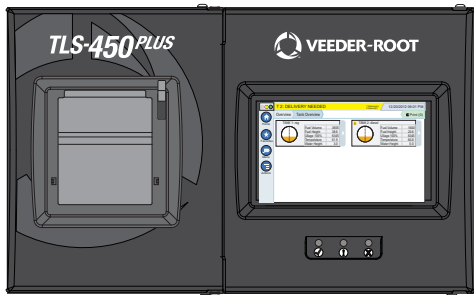


Operator's Quick Help



TLS-450 PLUS

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Example TLS-450PLUS Home Screen- 1 Tank Monitored, 1 Warning

The screenshot shows the home screen for a tank monitoring system. At the top, a yellow status bar displays "T 1: DELIVERY NEEDED", "1 Warning(s)", "0 Alarms(s)", and the date/time "01/20/2016 06:01 PM". Below this, there are navigation tabs for "Overview" and "Tank Overview". A "Print (0)" button is visible in the top right. On the left, there is a vertical menu with icons for Home, Favorites, Menu, and Actions. The main content area shows a tank status indicator (a circle with a yellow bottom half) and a table of tank parameters:

Fuel Volume	3655
Fuel Height	38.6
Ullage 100%	6345
Temperature	61.9
Water Height	3.0

Callouts from external boxes point to the following elements:

- Date & Time**: Points to the date and time in the status bar.
- Print Button**: Points to the "Print (0)" button.
- See Example Status Bar Types Below**: Points to the yellow status bar.
- Bread Crumbs**: Points to the "Tank Overview" tab.

12/20/2012 06:01 PM

System Date and Time

Overview

Tank Overview

Bread Crumbs - Menu path to current screen - touch a previous tab to return to the Menu Selection dialog.


Print (0)


Print button - Touch to print a report of the current screen if you have a printer configured on your system. If you have more than one printer configured you'll be prompted to choose a printer. NOTE: A number in parentheses indicates the number of print jobs sent to the printer and waiting to be printed.


TLS-450PLUS Front Panel Status Lights



Example Status Bar Notifications






 **SYSTEM STATUS** 0 Warning(s)
0 Alarms(s) Power On to console and no warnings or alarms from system.

 **PM 8: SETUP DATA WARNING** 1 Warning(s)
0 Alarms(s) Something needs to be reviewed and/or assessed. In this state, touching the status/warning bar brings you to the Reports > Alarms > Active screen so you can see the cause of the warning. While in that screen, touching the status/warning bar again acknowledges the warning and shuts off the beeper.






 **L 10: FUEL ALARM** 0 Warning(s)
1 Alarms(s) Something needs to be acted upon immediately. In this state, touching the status/warning bar brings you to the Reports > Alarms > Active screen so you can see the cause of the alarm. While in that screen, touching the status/warning bar again acknowledges the alarm and shuts off the beeper.

 **SAVING** 0 Warning(s)
0 Alarms(s) System tasks message bar.



System Icons

-  **Home Screen Icon** - Touch to navigate to the home screen. Default is the Tank Overview screen (shown at left).
-  **Favorites Screen Icon** - Touch to setup/access your favorite screens and designate which screen will be the home (default) screen:
 -  Touch to add the current screen to your Favorites list. You can have more than one Favorites screen up to a total of 6. If you want to delete a screen from your Favorites list, touch  next to that screen.
 -  Touch to set the current screen as the home screen.










System Icons (Continued)

-  **Menu Icon** - Touch to access System Setup Menu, Reports, Diagnostics and other screens (Administrator assigned access).
-  **Actions Icon** - Touch to access Help. Touch the Help icon  to open On-Board Help. Also, if the Shifts feature is set up, touching the Actions icon will display the Close Shift icon  which can be touched to close a shift.
-  Unrelated to the choices above, when entering data in any screen, a Red Circle may appear on the Actions icon to indicate that additional tasks can be performed on that screen.


Field Name* An asterisk (*) next to a field indicates you changed an entry for that field before you have accepted or saved the change in a dialog window.

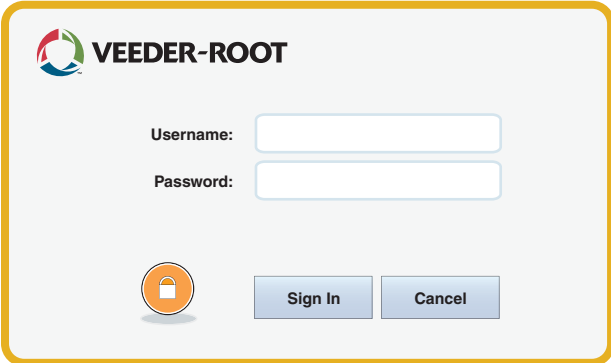
-  Touch to accept/save the entries you have made in a dialog window.
-  Touch to exit or cancel without saving any changed entries you may have made in a dialog window.


Screen Dependent Icons - The number in the circle under the Actions icon indicates the device you are viewing or setting up. Touching the circled number displays all of the similar devices in a row along the bottom of the screen (other tanks, ports, probes, etc.) that you have set up. Touching the circled number again hides the device icon row. A highlighted icon indicates the device you are viewing or setting up. Some of the device icons you may see are shown below:

 Device				
	Tank	Ethernet Port	Probe	Relay
				
	External Input	Sensor	Printer	Serial Port

Security Login


 Login [If the console Security Feature is Enabled] - Touch the Login button to open the login screen so you can login as a user.




 **VEEDER-ROOT**

Username:

Password:



Once the screen above displays, log in to the system with your User Name and Password. NOTE: If you do not log in, you are only permitted to view system status screens and to print out end-user reports

 Logout Touch the Logout button to log out of the console. NOTE: If the console is inactive for 15 minutes, the console will automatically log you out. You will need to log back in to access your user account.

Workflow Wizard

Workflow Wizard is an application in the TLS-450PLUS that guides the user through the Veeder-Root recommended setup screens during the console's initial commissioning.

From the console's touch screen you access Workflow Wizard Setup by touching [Menu](#) > [Setup](#) > [Workflow Wizard](#) > [Setup Workflow](#).

TLS-450PLUS Comm Ports - [Menu>Setup>Communication](#)

Figure 1 illustrates the console's plug-in module locations and the maximum number allowed in each of the two bays of the console: Comm Bay and Module Bay. Input/output cables to the console's Comm modules attach to connectors on each module's end plate, and are accessible through an opening in the base of the console.

Your console's Comm Port configuration will depend on features ordered. Slots 1-3 are for any combination of comm boards listed in Table 1 on page 6.

Slots 4 and 5 are fixed and Ethernet and USB ports as shown in the illustration of page 7.

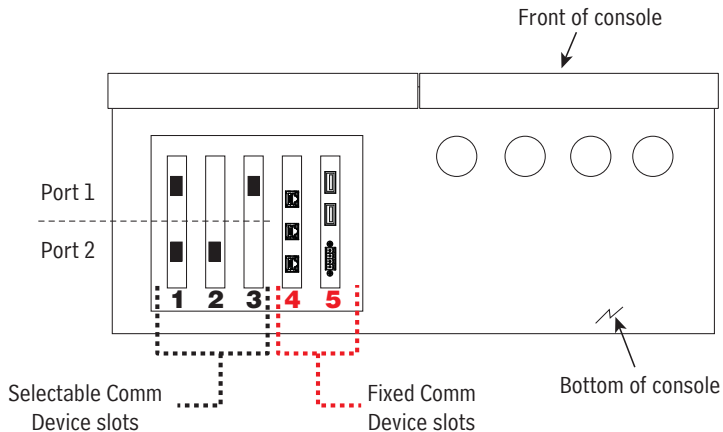
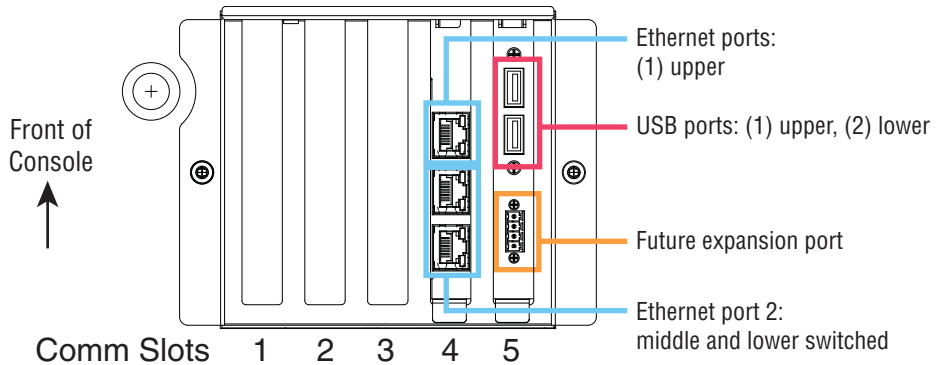


Table 1 - Configurable (C) / Non-Configurable (NC) Ports For Comm Modules In Comm Slots 1-3

Comm Module	Comm Type	Slot 1		Slot 2		Slot 3	
		Port		Port		Port	
		1	2	1	2	1	2
RS-232 Single Port (also EDIM, Satellite S-SAT and Satellite H-JBox apps.)	Serial	NC	C	NC	C	NC	C
RS-232 Dual Port (also EDIM, Satellite S-SAT and Satellite H-JBox apps.)		C	C	C	C	NC	C
RS-485 Single Port		NC	C	NC	C	NC	C
RS-485 Dual Port		C	C	C	C	NC	C
RS-232/RS-485 Dual Port		C (RS232)	C (RS485)	C (RS232)	C (RS485)	NC	C (RS485)
SiteFax / Modem		NC	C	NC	C	NC	N
CDIM	DIM	C	NC	C	NC		
IFSF LON	DIM	C	NC	C	NC	C	NC



Port Assignments For Fixed Comm Modules In Comm Slots 4 & 5




Using On-Board Help

Note: On-board help applies to multiple console types - not all help features will apply to all consoles.

Enter On-Board Help:  

- Upon entering Help, the topic associated with the currently displayed screen will be visible. Repeatedly touch the side scroll bar up/down arrows to scroll through a topic. You can also drag and pan through a topic. Touch the 'X' in the right corner of the Help screen title bar to return to the screen you were viewing.
- To show or hide the help Table of Contents (TOC) pane on left side of screen - Quickly tap the text (Show TOC or Hide TOC) twice with your finger.
- To expand () or close () a book - Touch the icon of the book once with your finger.

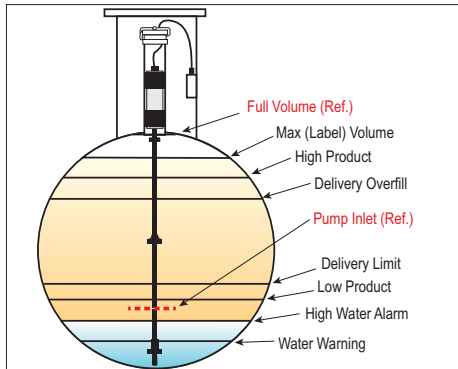
- To go to a topic () within a book - Quickly tap the book topic twice with your finger.
- Touch the side TOC scroll bar, and either move your finger up (to scroll down) or move your finger down (to scroll up).
- Repeatedly touch the side TOC scroll bar upper arrow to scroll up, or repeatedly touch the side scroll bar down arrow to scroll down.

On-board Help Topics of Interest - [Actions>Help](#)

- Understanding ATG - This help section explains the fundamentals of automatic tank gauges (ATG) as implemented by Veeder-Root.
- Configuration and Maintenance - This help book discusses Comm Ports, Initial Console Setup Sequence, and Periodic Maintenance recommendations.
- Welcome (Help Intro) , Screen Icons, On-Screen Key-boards, and Touchscreen navigation are essential help topics which you can view in the On-Board Help's Table of Contents.

Alarm Limit Settings - Menu>Setup>Tank>Limits

The diagram below shows the relative position of tank alarm (Limit) settings.



Configure An Ethernet Port - Menu>Setup>Communication>Ethernet Port

The screenshot shows the System Status interface with the following configuration for the Ethernet Port:

- System Status: 0 Warning(s), 0 Alarms(s), 07/20/2013 08:01 AM
- Navigation: Setup > Communication > Ethernet Port
- Print (0)
- IP Address Type: DYNAMIC
- IP Address: 10.2.4.96
- IP Subnet Mask: 255.255.255.0
- IP Gateway Address: 10.2.4.1
- IP Default Gateway: Enabled Disabled
- Primary DNS: 10.20.77.5
- Selected Port: 1 (Eth)

Selected Port

Backup Data - Menu>Software Maintenance>DB Backup

System Status 0 Warning(s)
0 Alarms(s) 07/20/2013 09:10 AM

Software Maintenance DB Backup Print (0)

Home Favorites Menu Actions

Current Version 1.gB 230.4

Available Version Not available

Current Operations IDLE

Backup Destination Select destination device ▼

Version Select a source to retrieve versions available

Insert your thumbdrive (minimum 4 GB) in a USB port and touch the down arrow in the Backup Destination field to select the thumbdrive, then follow the on-screen instructions to backup TLS450PLUS data.

You should perform a DB Backup weekly.

Software Version - Menu>Overview>About

System Status 0 Warning(s)
0 Alarms(s) 07/20/2013 09:18 AM

Overview About Print (0)

Home Favorites Menu Actions

Console Series # 8601 Created Jul 29 2013 17:43:52

Software Part # 342004-001.gB230.4r71119

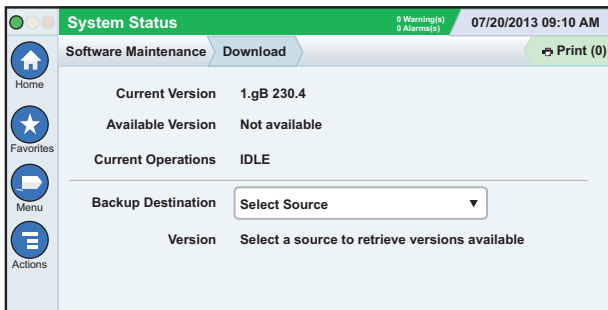
Hardware Description	Serial #
CPU	11260090
iButton	000D016283f20b
UNIV SENS I/O MODULE (B1.S1)	000D016283f20b
Max Allowed Ports	9

Installed Features

- ATG Functionality
- Email Notification
- Custom On-Board Help
- Custom Alarms
- Web Enabled
- Extended Storage L2

Touch **Actions>Help** from this screen for content information.

Software Download - [Menu>Software Maintenance>Download](#)



The screenshot shows a web interface for 'System Status'. At the top, there's a green header with 'System Status', '0 Warning(s)', '0 Alarms(s)', and the date/time '07/20/2013 09:10 AM'. Below this is a navigation bar with 'Software Maintenance' and 'Download' tabs, and a 'Print (0)' button. On the left is a sidebar with icons for Home, Favorites, Menu, and Actions. The main content area displays the following information:

Current Version	1.gB 230.4
Available Version	Not available
Current Operations	IDLE
Backup Destination	Select Source
Version	Select a source to retrieve versions available

Insert your valid V-R Code thumb drive in a USB port and touch the down arrow in the Backup Destination field to select the thumb drive, then follow the on-screen instructions to begin the download.

Paths To Frequently Used Screens

Alarm Definitions -

[Actions>Help>Show TOC>Home>Troubleshooting>Alarms and Warnings](#)

Viewing Custom Alarm Labels -

[Menu>Setup>Custom Alarms>View](#)

Configure A Printer -

[Menu>Setup>Printers](#)

Manual Delivery -

[Menu>Reports>Delivery>Manual Delivery](#)

Entering A New Email Recipient -

[Menu>Setup>Automatic Events>Address Book](#)

Set Date and Time -

[Menu>Setup>Date and Time](#)

Paths To Frequently Used Screens - Continued

Ticketed Delivery -

[Menu>Reports>Delivery>Ticketed Delivery](#)

Upgrade Features -

[Menu>Software Maintenance>Upgrade Features](#)

Using The On-Screen Keyboard -

[Actions>Help>Show TOC>Home>How To Use On-Screen Keyboard](#)

View Delivery History -

[Menu>Reports>Delivery>Last Delivery](#)

View Reports -


[Menu>Reports](#)

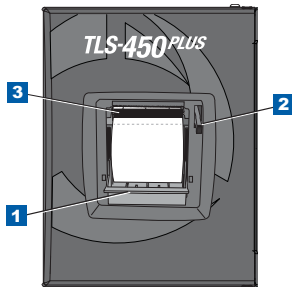
View Help From Any Screen -

[Actions>Help](#)

Changing Printer Paper

Swing down the printer cover (1) and push the paper feed release lever (2) down. Remove the roll of paper. Insert the roll into the paper tray with the end of the paper tail facing you from the bottom of the roll. Pull the tail out and push the tail under the black paper feed roller until it exits above the feed roller (3). Push lever (2) up.

Touch the print button  Print (0) to advance the paper a few lines and verify the paper is feeding correctly. Close the printer cover.





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other assistance, please visit:
www.veeder.com

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For complete product information, refer to your console's Online Help.

Console Serial and Form Numbers

Write in Form and Serial Numbers from the label on the bottom of the console housing for future reference:

Form Number: _____

Serial Number: _____