Marketing Sales Release
Software Release - Version 4R
TLS-450

1.0 Purpose

This Marketing Sales Release (MSR) announces the release of version 4R software for TLS-450 consoles.

2.0 Product Description and Overview

Veeder-Root's strategy is to provide software releases on a regular cadence in order to furnish additional functionality, inclusion of customer requests, and other enhancements in a timely manner. The following information outlines the modifications in this release.

New Features:

- Increased temperature range for SLD tests **-** Increased the maximum supported temperature for test execution from 100°F (37.7°C) to 113°F (45°C) to run in extreme temperature environments.

- Enhancement to improve HRM performance when a Low Product condition occurs- Previously, the ATG reported a Status 9 (Invalid Hours) when a Low Product condition occurred. The feature was changed to continue operation when a Low Product condition occurs, and only invalidate hours when there is an Invalid Fuel Level alarm (when the product float bottoms out).

Enhancements:

- Addressed an issue where unnecessary communications alarms and warnings were being posted while configuring devices during setup on the GUI. The communications alarms and warnings are now only posted once the user exits the GUI setup.

- Corrected the DPLLD pipe lengths to accept feet and meters instead of inches and mm.

- Corrected an issue on the Web Interface where labels for some languages would wrap and overwrite the label. The fields now auto expand to a limit to accommodate longer text strings.

- Corrected a scenario when if an Invalid Fuel Level alarm was present, related fuel height notifications (Low Product, Delivery Needed, and High Water if applicable) were not reported. The Invalid Fuel Level alarm occurs when the fuel float rests on the water float, indicating product is too low to register. Now, after an Invalid Fuel Level alarm other fuel height notifications will also occur.

- Corrected a reporting issue appearing when we had a Probe Out condition. Along with the Probe Out alarm, additional warnings and alarms that are not discernable without a probe were erroneously being reported (Delivery Needed, Low Product). With this release, only the Probe Out alarm is reported.

3.0 Release Schedule

Veeder-Root recommends keeping console software upgraded to the latest version. This software release fixes issues that could cause problems in currently installed gauges.

We recommend that TLS-450 customers upgrade to the latest version of software available, version 4R.

Version 4R consoles starting shipping February 1, 2016.

As a best practice with a software upgrade, Veeder-Root recommends verification that the Universal Sensor Module (USM) and Input/Output Module (IOM) are operating with the latest firmware version. Instructions for a USM or IOM firmware update can be found in *Continuing Education Bulletin 2015-08B, Firmware Upgrade*.

TLS-450 Version 4R software upgrades can be ordered at no charge for a limited time by ordering the software kit below.

Software Upgrades Kit - TLS-450 Consoles

Part Number	Description	List Price
330020-604	TLS-450 Software Upgrade (USB Thumbdrive) - No charge	$0.00

Note: The 330020-604 is needed for consoles with version 4a software or greater. Consoles with earlier versions of software will need to be upgraded to a TLS-450PLUS using P/N 330020-771 (see TLS-4xx Consoles section for pricing).

4.0 Manual

No manuals were updated as part of this release. Manual information can be obtained at: www.veeder.com/support/technical documentation.

5.0 Further Information

For questions and customer assistance, please contact technical support at 1-800-323-1799.