

Advantages

- Monitors up to 72 tanks.
- Continuous inventory monitoring and tank testing through proven magnetostrictive probe technology.
- Highest rated continuous 24 hour leak detection (SCALD) in the industry.
- Density measurement and alarm capabilities.
- Patented AutoLearn™ electronic line leak detection capability, including Statistical Line Leak Detection for high throughput lines.
- Standard communication ports including one Ethernet and USB, two RS-232.
- Internal fax and data modem options.
- Interstitial and piping sump leak sensing for up to 72 sensors.
- Can handle 72 dispenser hook inputs, eliminating need for an external box.
- Approved by the California Air Resources Board EO VR-202 & VR-208.

TS-550 and TS-5000 Fuel Management Systems

The TS-550 and TS-5000 fuel management systems' modular design provides compliance and fuel management capability in a single enclosure.



Now with upgraded thermal printer.

Specifications

- Number of tanks monitored: 72.
- Input channels: 2.
- Output only channels: 2.
- Display type: touch screen LCD.
- Printer type: thermal.
- Applicable liquids: petroleum, chemicals and hazardous waste.
- Level units: inches, centimeters and millimeters.
- Volume units: gallons or liters.
- Display size: 320 × 240 pixels.
- Power requirements: 110 to 220 VAC, +15%, -10%, 150 Watt maximum, 1.5 Amps.
- Operating temperature: 32° to 104 °F (0° to 40 °C).
- Storage temperature: -4° to 140 °F (-20° to 60 °C).
- Intrinsic safety rating:
US - Class I, Div. I, Group D.
Europe - Group IIA, Zone 0.
- LCD backlight contains mercury, dispose of properly.

Applications

The flexible architecture of the TS-550 and TS-5000 allows multiple applications to run concurrently, satisfying current business and regulatory requirements.

- Fuel management system applications provide accurate inventory information, third party-approved tank and line leak detection, automated inventory reconciliation and submersible pump monitoring.

- The vapor recovery monitoring application gauges the effectiveness of a station's vapor recovery equipment through continuous monitoring of gasoline vapors during fueling operations.
- Secondary containment monitoring application continuously monitors the interstitial spaces of double wall tanks, lines and sumps, and notifies station owners when a release of product into the environment has occurred.

Capabilities

The TS-550 and TS-5000 are built on an established open-system software platform.

- Standard Ethernet connection allows easy integration to existing wide area networks.
- XML-based software allows remote access to data without software.
- Graphical touch screen LCD allows text to be displayed in native language.
- Generic interface modules give flexibility in configuring station monitoring requirements.
- E-mail notification gives station owners real-time status information.
- Multiple printing options give flexibility in style and format of reports.
- Monitor back-up generators for fuel inventory control, run status reports, and continuous leak detection.

Approvals

- UL, cUL, ATEX, IECEx
- Third party certification of leak detection capabilities

Fuel Management System Consoles

TS-550 110 and 220 VAC Models

Model	Description
T550	TS-550 base console without display and printer
T550D	TS-550 base console with display and without printer
T550DP	TS-550 base console with display and printer

TS-5000 110 and 220 VAC Models

Model	Description
T5000	TS-5000 base console without display and printer
T5000D	TS-5000 base console with display and without printer
T5000DP	TS-5000 base console with display and printer

Expansion Console

Model	Description
TS-EXPC	Secondary console to add eleven additional plug-in modules to the primary TS-550/5000 console, comes without a display or printer

TS-550 and TS-5000 Console Hardware and Software Options

TS-550 and TS-5000 consoles come standard with the ability to perform in-tank static leak detection. The following software and hardware options can be added to customize your console. The internal hardware options will be factory installed when ordered with the console.

Internal Hardware Options

Part Number	Description
TS-DIMIB	(I) Internal dispenser interface module, dispenser interface cable must be ordered separately
TS-LON	(E) EcheLON communication module, IFSF protocol capability
TS-MDMIB	(M) Internal modem, includes fax and data software capability

Note: Only one TS-DIM or TS-LON module can be installed per console.

Internal Software Options

Part Number	Description
TS-TT	(T) Statistical Continuous Automatic Leak Detection, 24 hour continuous tank testing software
TS-TRAC	(R) Tank inventory reconciliation and auto calibration
TS-ELLD	(L) Electronic line leak detection
TS-VRM	(V) Vapor recovery monitoring, ISD
TS-VRMB	(B) Vapor recovery monitoring for balance sites (VRM 1.1)
TS-SCM	(S) Secondary containment monitoring

TS-550 and TS-5000 Fuel Management System Console Ordering Guide

Console model, software and hardware options can be listed separately or combined when ordering. Systems shipped from the factory will list the combined part number. Complete console part numbers have a specific order and are created using the following guidelines:

TX DPM Y / TRL V S

TX = Model

T550 = TS-550, 110 or 220 VAC
T5000 = TS-5000, 110 or 220 VAC

DPM Y = Hardware Options

D = Display
P = Printer
M = Internal modem
Y = I for dispenser interface module or E for a LON module

TRL V S = Software Options

T = SCALD 24-hour tank testing
R = Reconciliation
L = Line leak detection
V = Vapor recovery monitoring (V for assist or B for balance)
S = Secondary containment monitoring



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