

## Advantages

- Monitors up to 12 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.
- Low cost, compact console.
- Standard communication ports including Ethernet, two RS-232 and USB.
- Internal fax and data modem options.
- Generates inventory, compliance and fuel management reports.

## TS-5 Fuel Management System

The TS-5 fuel management system provides inventory and leak detection for up to 12 storage tanks.



## Specifications

- Number of tanks monitored: 12.
- Input channels: 2.
- Output only channels: 2.
- Display type: touch screen LCD.
- Applicable liquids: petroleum, chemicals and hazardous waste.
- Level units: inches, centimeters and millimeters.
- Volume units: gallons or liters.
- Display size: 320 x 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.

- Can provide dispenser information and automate reconciliation when used in conjunction with the dispenser interface module.
- Provides accurate inventory information, including reports that can be used to better schedule deliveries.
- Multi-purpose relays can be used for outputs to overflow alarms and external audible and visual indicators.

## Capabilities

- The fuel management system is 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 additional software.
  - Graphical touch screen LCD allows text to be displayed in native language.
  - Email notification gives station owners real-time status information.

## Applications

The fuel management system has been designed to monitor tank tightness and gather inventory information.

- Third party approved volumetric leak detection (Pd = 99.9% at 0.2 gph).

Model	Description
T5	TS-5 console without display
T5D	TS-5 console with LCD display

Note: Includes one TS-PRB 12 input probe module.

## TS-5 Console Hardware and Software Options

The TS-5 console comes standard with the ability to perform in-tank static leak detection. The following software and hardware options can be added to customize your consoles. 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-DIMIB 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-5 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:

**T5 DM X / TR**

**T5 = Model**

T5 = TS-5, 110 or 200 VAC.

**DM X = Hardware Options**

D = Display, standard in the TS-5.

M = Internal modem.

X = I for dispenser interface module or E for a LON module.

**TR = Software Options**

T = SCALD 24 hour tank testing.

R = Reconciliation.



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