TS-550 evo™ & TS-5000 evo™ Fuel Management Systems

INCON™ brand TS-550 evo™ and TS-5000 evo™ fuel management systems bring a new level of usability and functionality. A highly evolved user interface and blisteringly-fast new processor based on the proven T5 Series platform makes everything from daily functions to advanced setup and programming simple for every user.

Specifications

- Number of tanks monitored: 36 (72*)
- Number of lines monitored: 24 (48*)
- Sensor input channels: 36 (72*)
- Dry contact input channels: 2
- AC input channels: 36 (72*)
- 4-20 ma input channels: 24 (48*)
- Relay output channels: 26 (50*)
- Display type: 7'' (17.78 cm) color LCD touch screen
- Printer type: Thermal
- Alarm: Internal audible alarm
- LEDs: Alarm, warning and power
- Applicable liquids: Petroleum, chemicals and hazardous waste
- Level units: Inches, centimeters and millimeters
- Volume units: gallons or liters (mass with density option)
- Power requirements: 110 to 240 VAC, 50/60 hz, 2.6 Amps
- Operating temperature: 32° to 104 °F (0° to 40 °C)
- Humidity: 0-90% non-condensing
- Dimensions:
  - TS-550 evo: 12''/305 mm (H), 10.25''/260.4 mm (W), 9''/229 mm (D)
  - TS-5000 evo: 11.1''/282 mm (H), 16.5''/419 mm (W), 9''/229 mm (D)

Maximum number when including additional options.

Approvals

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

Highlights

- Capable of monitoring even the largest sites.
- Continuous inventory monitoring and tank testing through proven magnetostrictive probe technology.
- 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 RS-485, two USB and RS-232.
- Complete web interface and email capabilities.
- Turbine Pump Interface, intelligent STP control.
- Programmable product colors.
- Programmable One Touch buttons.
- Quick Jump menu ease of navigation.
- F.A.S.T. programming with the Franklin Auto Setup Tool.
- Available continuous 24 hour leak detection (SCALD).

Specifications - continued

Capabilities

- Inventory and delivery management
- Leak detection sensors
- Static and Continuous tank testing
- Static and Statistical Electronic Line Leak Detection
- High, low and water alarm set points
- Inventory reconciliation / tank autocalibration
- Density and mass measurement
- Secondary Containment Monitoring (vacuum)
- Turbine Pump Interface (TPI)
- Email notifications
- Back-up generator monitoring / fuel flow control
- MODBUS® compatibility

Connectivity

- Ethernet/complete web interface
- RS-232/485
- USB
- Fax/data modem
- Lon™ via Echelon

DEF/AdBlue®

- Recirculation capabilities for DEF/AdBlue® applications including pump activation/deactivation based on temperature sensor data with time and duration condition customization options.

Ordering Information

TS-550 evo

Model	Description
T550ED	TS-550 evo base console without printer
T550EDP	TS-550 evo base console with printer

TS-5000 evo

Model	Description
5000ED	TS-5000 evo base console without printer
T5000EDP	TS-5000 evo base console with printer

Expansion Console

Model	Description
EVO-EXPC	Secondary console to add eleven additional plug-in modules to the primary TS-550 evo console, comes without a display or printer
EVO-EXPC2	Secondary console to add six additional plug-in modules to the primary TS-550 evo console, comes without a display or printer

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

TS-550/5000 evo 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

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

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

Internal Software Options

Model	Description
TS-TT	(T) Statistical Continuous Automatic Leak Detection, 24 hour continuous tank testing software
TS-TRAC	(R) Tank inventory reconciliation and autocalibration
TS-ELLD	(L) Electronic line leak detection
TS-SCM	(S) Secondary containment monitoring
TS-CON	(C) DEF/AdBlue® recirculation, scheduling, and timer conditions

Ordering Information - continued

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 PMIE / TRLSC

TX = Base Model Options

   T550ED = TS-550 evo base console with display

   T5000ED = TS-5000 evo base console with display

PMIE = Hardware Options (choose all that apply)*

   P = Printer

   M = Internal modem

   I = Dispenser interface module

   E = LON module

TRLSC = Software Options (choose all that apply)

   T = SCALD 24-hour tank testing

   R = Reconciliation/Autocalibration

   L = Line leak detection

   S = Secondary containment monitoring

   C = Recirculation, scheduling, and timer conditions

Only one EVO-DIM or EVO-LON module can be installed per console.

Example: T550EDPMI/TRLS = TS-550 evo base console with display, with printer, with internal modem, with dispenser interface module, with SCALD.

Modules

1 Controller module

2 Power supply module

3 AC input module

4 IO module

5 Relay module

6 10 Amp relay module

7 Avilable for module

8 Avilable for module

9 2-wire sensor module

10 3-wire sensor module

11 Probe module

12 4-20mA input module

13 Available for module

TS-550 evo and TS-5000 evo allow for a maximum of nine intrinsically safe modules. There is also a maximum of three of any individual intrinsically safe module that can be installed in one console.

INCON

A Franklin Fueling Systems Brand

PEI MEMBER **apea** working for a safer environment