



EVO™ 550 & EVO™ 5000 AUTOMATIC TANK GAUGES

EVO™ 550 & EVO™ 5000 Automatic Tank Gauges (ATGs) provide highly accurate inventory management and full-featured compliance monitoring for any size fuel system. These module-based ATGs are highly configurable for site-specific probe and sensor requirements. Their simple setup and operation, remote connectivity, and advanced security features protect your fuel system while keeping you directly connected to vital site data whenever, and wherever. The highly-intuitive, full-color, icon-based touch screen provides user-friendly on-site access to inventory, alarm, and compliance data.

HIGHLIGHTS

- Allows you to make informed, data-driven inventory management decisions while keeping your site in compliance and protected from security threats.
- Provides inventory monitoring, static and continuous tank testing, tank autocalibration, inventory reconciliation, containment compliance monitoring, and flow rate monitoring.
- With the EVO™ 550, six total modules can be installed with a maximum of four intrinsically safe modules and a maximum of three of any one kind of module. With the EVO™ 5000, eleven total modules can be installed with a maximum of nine intrinsically safe modules and a maximum of three of any one kind of module.
- Patented AutoLearn™ electronic line leak detection capability including Statistical Line Leak Detection for high throughput sites.
- Secondary containment monitoring provides the ability to vacuum-monitor single or multiple secondary containment spaces like double walled tanks, piping, and sumps.
- Streamlined setup and programming includes hardware auto-detection and wiring confirmation, multipoint tank charting, network printer auto-detection, and the ability to download and upload entire programming profiles from one ATG to another.
- Intuitive full-color 7" touch screen interface provides simplified on-site access features including:
 - One Touch buttons that are custom programmed to carry out common automated tasks with a single tap.
 - Quick Jump menu allows you to quickly maneuver from application to application using a single button.
 - Programmable product colors.
- Available with optional 24 hour statistical continuous automatic leak detection (SCALD) and the industry's only Turbine Pump Interface (TPI) capability for enhanced and automated submersible turbine pump control.
- Web interface allows you to directly connect to your ATG from any web enabled device.

SPECIFICATIONS

- Maximum tanks monitored: 36 (EVO™ 550) / 36 (EVO™ 5000)
- Maximum sensor input capacity: 48 (EVO™ 550) / 96 (EVO™ 5000)
- Lines capacity: 24 (EVO™ 550) / 24 (EVO™ 5000)
- Dry contact input channels: 2
- AC input channels: 36 (EVO™ 550) / 36 (EVO™ 5000)
- Relay output channels: 24 (EVO™ 550) / 24 (EVO™ 5000)
- Connectivity: Ethernet, RS-485, standard USB (qty 2)
- Display type: 7" (17.78 cm) color LCD touch screen
- Printer type: Thermal (also network or USB)
- Alarm: Internal audible alarm
- LEDs: Alarm, warning, and power
- Applicable liquids: Petroleum, chemicals, and 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, 1.5 Amps
- Operating temperature: 32° to 104 °F (0° to 40 °C)
- Humidity: 0-90% non-condensing
- EVO™ 550: H: 11.75" (300mm), W: 10¼" (260mm), D: 9" (229mm)
- EVO™ 5000: H: 11.75" (300mm), W: 16½" (419mm), D: 9" (229mm)

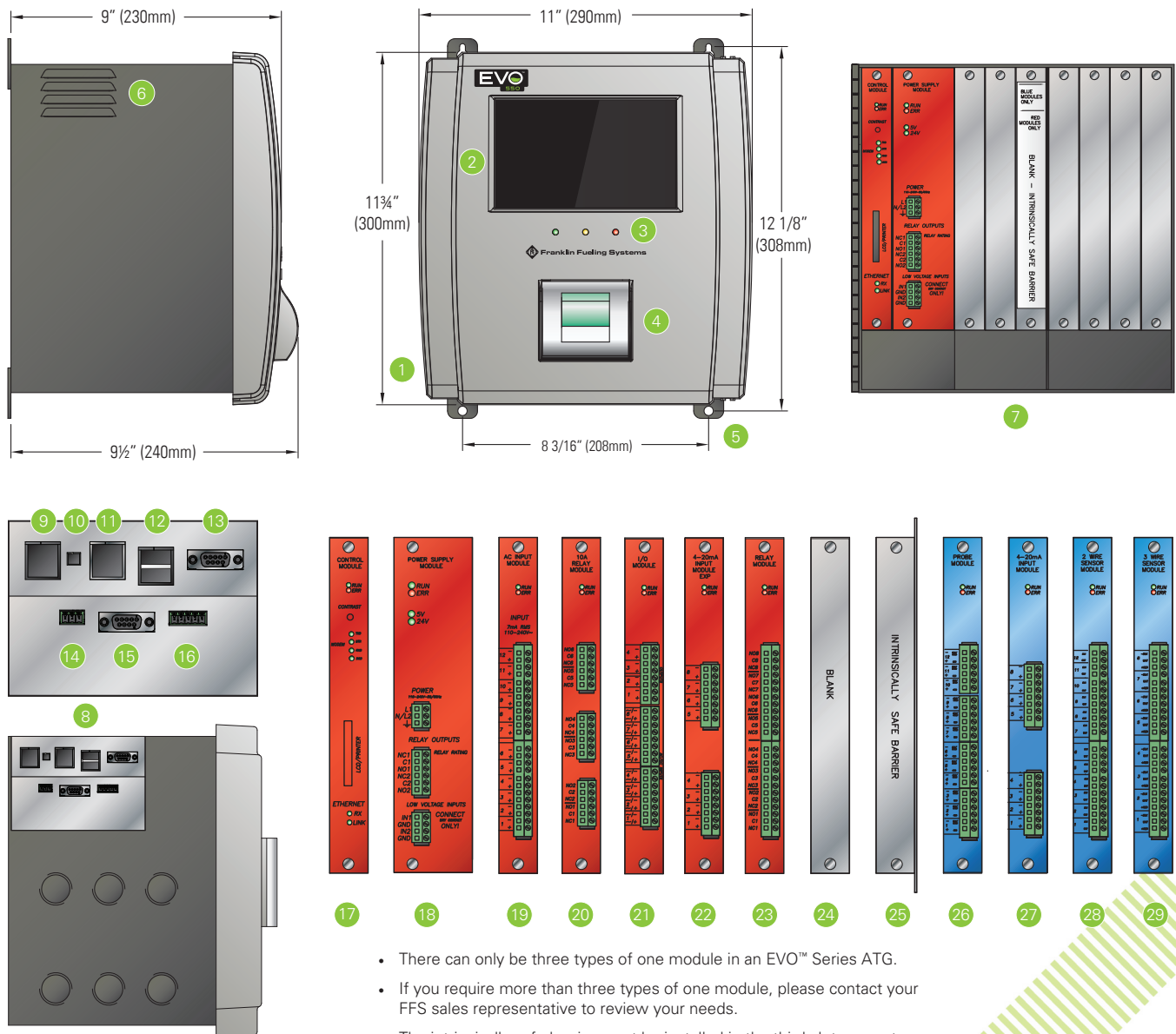
Capabilities

- High/low product, water, and temperature alarm set points
 - Inventory reconciliation / tank autocalibration / flow rate monitoring
 - Density, mass, and phase separation measurement
 - Email and SMS notifications
 - Back-up generator monitoring / conditions programming
 - Advanced logic control for DEF/AdBlue® recirculation system
 - MODBUS™ support
- ### Approvals/Certifications
- UL, cUL, ATEX, IECEx
 - Third party certification of leak detection capabilities

SPECIFICATIONS CONTINUED

Components

- | | | |
|--------------------------------|------------------------|-------------------------------|
| 1 Cover | 11 Ethernet port | 21 I/O module |
| 2 LCD touch screen | 12 USB ports (qty 2) | 22 4-20mA module EXP |
| 3 LED indicators | 13 Serial comm port 1 | 23 Relay module |
| 4 Printer | 14 Bus extension | 24 Blank |
| 5 Mounting tabs | 15 Serial comm port 2 | 25 Intrinsically safe barrier |
| 6 Cooling vents | 16 RS-485 comm port | 26 Probe module |
| 7 Module slots | 17 Controller module | 27 4-20mA module |
| 8 Communication ports | 18 Power supply module | 28 2 wire sensor module |
| 9 Modem port | 19 AC input module | 29 3 wire sensor module |
| 10 Annunciator (audible alarm) | 20 10 Amp relay module | |



- There can only be three types of one module in an EVO™ Series ATG.
- If you require more than three types of one module, please contact your FFS sales representative to review your needs.
- The intrinsically safe barrier must be installed in the third slot or greater.

ORDERING INFORMATION

Ordering Guide

ATG 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 part numbers have a specific order and are created using the following guidelines:

TX DPMIE / TRFLGSC

TX = Base Model Options

T550E = EVO™ 550 base ATG

T5000E = EVO™ 5000 base ATG

DPMIE = Hardware Options (choose all that apply)*

D = Display

P = Printer

M = Internal modem

I = Dispenser interface module

E = LON module

TRFLGSC = Software Options (choose all that apply)

T = SCALD 24-hour tank testing

R or F = (R) Reconciliation/Autocalibration or

(F) Reconciliation/Autocalibration with Flow rate monitoring

L or G = (L) Line leak detection or

(G) Generator 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 ATG.

Example: T550EDPMI/TRLIS = EVO™ 550 base model with display, with printer, with internal modem, with dispenser interface module, with SCALD, with reconciliation/autocalibration, with line leak detection, and with secondary containment monitoring.

EVO™ 550 & EVO™ 5000 Base Models

Model	Description
T550E	EVO™ 550 base model automatic tank gauge
T5000E	EVO™ 5000 base model automatic tank gauge

EVO™ 550 & EVO™ 5000 Hardware & Software Options

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

Internal Hardware Options

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

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

Internal Software Options / Field Upgrades

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-TRAC-F	(F) Reconciliation/Autocalibration and Flow Rate Monitoring software
TS-FLOW	Flow Rate Monitoring software (Field upgrade for ATGs with Reconciliation/Autocalibration)
TS-ELLD	(L) Electronic line leak detection
TS-ELLD-G	(G) Electronic line leak detection for generator applications
TS-SCM	(S) Secondary containment monitoring
TS-CON	(C) DEF/AdBlue® recirculation, scheduling, and timer conditions

Expansion Consoles

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



Franklin Fueling Systems

franklinfueling.com
 3760 Marsh Rd. • Madison, WI 53718, USA
 Tel: +1 608 838 8786 • Fax: +1 608 838 6433
 Tel: USA & Canada +1 800 225 9787 • Tel: UK +44 (0) 1473 243300
 Tel: Mex 001 800 738 7610 • Tel: FR +33 (0) 1 69 21 41 41 • Tel: CH +86 10 8565 4566



© 2019 Franklin Fueling Systems. All Rights Reserved.

FFS-0620 09-19