

EVO™ 200 & EVO™ 400 AUTOMATIC TANK GAUGES

EVO™ 200 & EVO™ 400 Automatic Tank Gauges (ATGs) provide highly accurate inventory management and containment monitoring for small to mid-size fuel systems. With pre-configured hardware and customizable software options, these ATGs provide straightforward tank level monitoring and compliance. 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.



TECHNICAL ADVANTAGES

- Provides inventory monitoring, static (included feature) and continuous tank testing (optional feature), tank autocalibration, inventory reconciliation, containment compliance monitoring, and flow rate monitoring.
- Both ATGs feature the capability to interface with probes and sensors in any combination up to 6 (EVO™ 200) or 14 (EVO™ 400).
- Customizable user roles and log-in security features protect against unwanted access while keeping track of user activity within your system.
- 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" (17.78 cm) touch screen interface provides simplified on-site access features including:
 - Six available 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 Turbine Pump Interface (TPI) capability for enhanced and automated submersible turbine pump control.
- Web interface allows you to directly connect to your ATG via FFS PRO® Connect from any web-enabled device.
- Optional Wifi allows secure and protected on-site viewing of inventory levels for fuel delivery drivers.

Approvals/Certifications

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

SPECIFICATIONS

- Maximum tanks monitored: 6 (EVO™ 200)/14 (EVO™ 400)
- Maximum sensor input capacity: 6 (EVO™ 200)/14 (EVO™ 400)
- Total # of inputs: 6 (EVO™ 200)/14 (EVO™ 400)
- Dry contact input channels: 2
- Relay output channels: 2
- Connectivity: Ethernet, RS-232, RS-485, standard USB, mini USB, and Wifi (optional)
- Display type: 17.78 cm (17.78 cm) color LCD touch screen
- Printer type: External (network or USB)
- Alarm: Internal audible alarm
- LEDs: Alarm, warning, and power
- Tank chart correction points: 7,500
- 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, 2.6 Amps
- Operating temperature: 32° to 104°F (0° to 40°C)
- Humidity: 0-95% non-condensing
- Dimensions: Height: 8" (205 mm), Width: 13 ¾" (350 mm), Depth: 3¼" (83 mm)

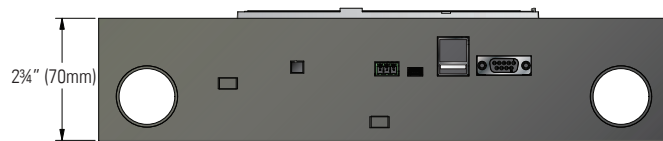
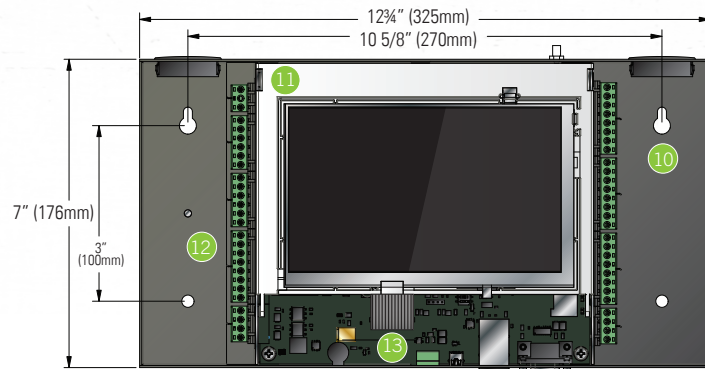
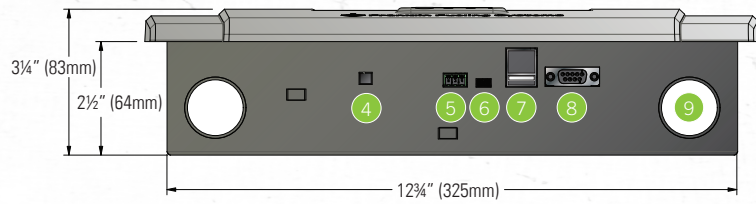
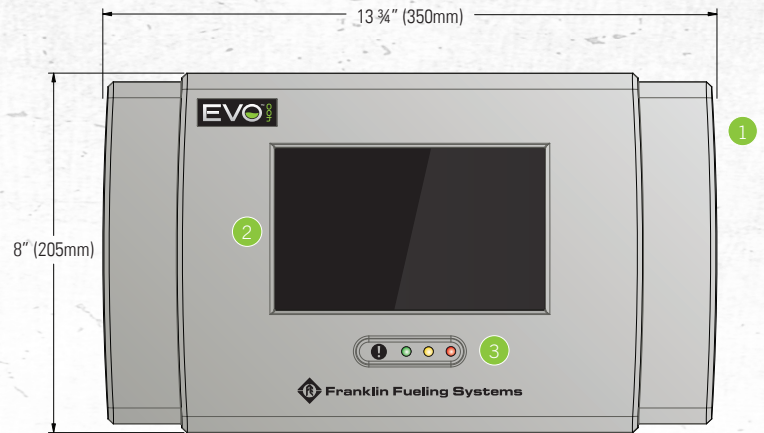
Capabilities

- High/low product, water, and temperature alarm set points
- Inventory reconciliation/tank autocalibration, flow rate monitoring (optional)
- Density, mass, and phase separation measurement
- Conditional programming
- Email and SMS notifications
- Back-up generator monitoring
- MODBUS™ support

SPECIFICATIONS CONTINUED

Components

- 1 Cover
- 2 LCD touch screen
- 3 LED indicators
- 4 Annunciator (audible alarm)
- 5 RS-485
- 6 Mini USB port
- 7 Ethernet / USB port
- 8 RS-232
- 9 Top and bottom knockouts
- 10 Mounting holes
- 11 Flip up panel (touch screen)
- 12 Termination blocks
- 13 Main board



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:

EVOX DW - TR

EVOX = Base Model Options

EVO200 = EVO™ 200 base model, up to 6 channels

EVO400 = EVO™ 400 base model, up to 14 channels

DW = Hardware Options (choose all that apply)

D = Display (color LCD touch screen)

W = WIFI

TRFC = Software Options (choose all that apply)

T = SCALD 24-hour tank testing

R = Reconciliation/autocalibration

F = Reconciliation/autocalibration and flow rate monitoring

C = Enhanced logic conditions including value, counter, value compare, and latch

Example: EVO400DW-TF = EVO™ 400 base model, up to 14 channels with display, with WIFI, with SCALD, and with reconciliation/autocalibration and flow rate monitoring.

EVO™ 200 & EVO™ 400 Base Models

Model	Description
EVO200	EVO™ 200 base model automatic tank gauge
EVO400	EVO™ 400 base model automatic tank gauge

EVO™ 200 & EVO™ Hardware & Software Field Upgrades

EVO™ 200 and EVO™ 400 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 once it's been installed in the field.

Internal Hardware Options

Model	Description
FMP-LCD	EVO™ 200 and EVO™ 400 LCD upgrade
FMP-WIFI	EVO™ 200 and EVO™ 400 WIFI upgrade
FMP-SOMW-U	Unregistered upgrade SOM with WIFI
FMP-SOMW-UR	Registered upgrade SOM with WIFI

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-CON	(C) DEF/AdBlue® recirculation, scheduling, and timer conditions

External Printer

Model	Description
FMP-ETP	External printer (EVO™ 200 and EVO™ 400, includes USB cable, power cord, one roll of thermal printer paper, and wall mount hardware)
FMP-EPPC	Case of 25 thermal printer paper rolls

Note: The external printer measures 142 mm X 132 mm X 204 mm (w x h x d) and can be mounted to wall next to the EVO™ Series ATG using the included hardware.



Franklin Fueling Systems



EVOTM

S E R I E S

FUEL MANAGEMENT SYSTEMS

EVO™ SERIES

HIGHLY EVOLVED AUTOMATIC TANK GAUGES

We are driven by our pursuit to innovate, simplify, secure, and connect every station owner to their fuel management system. EVO™ Series Automatic Tank Gauges (ATGs) feature simple setup, operation, and remote connectivity to keep you directly connected to vital site data whenever, and wherever.

HIGHLY CAPABLE Make informed, data-driven inventory management decisions with features like inventory monitoring, tank testing, containment compliance monitoring, and expanded leak detection monitoring capabilities.

SIMPLE INTERFACE A full-color 7" LCD touchscreen serves up one of the most intuitively shallow user interfaces available. With its simplified icon-based design and user features like One Touch buttons and a Quick Jump menu, the EVO™ Series makes tank gauging simple for any user.

SECURE DATA EVO™ Series ATGs keep your site in compliance and protected from security threats with customizable user roles, user activity tracking, and up to 3-years of data back-up to protect against power outages or other system interruptions.



THE RIGHT SIZE ATG

The EVO™ 200 & EVO™ 400 provide inventory management and containment monitoring for small to mid-sized fuel systems; while the EVO™ 600 & EVO™ 6000 provide additional advanced features for any size fuel system.



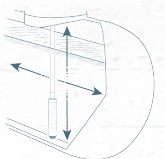
REMOTE COMMUNICATION

The FFS PRO® Connect web interface allows you to securely connect directly to your EVO™ Series ATG from any web enabled device. (Not available on EVO™ 550/5000)



TANK AUTOCALIBRATION

Eliminate discrepancies in delivery reporting and daily reconciliations caused by inaccurate tank information programmed into the ATG with this function that automatically generates a highly accurate tank strapping chart.



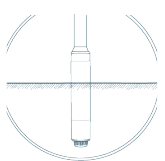
INVENTORY RECONCILIATION

Statistical Inventory Reconciliation (SIR) is an automated leak detection function that analyzes tank volume, delivery, and sales data to detect releases with a high level of accuracy.



TURBINE PUMP INTERFACE

Enhanced remote pump monitoring and control including pump-in-water automation, clogged intake escalation, tank leveling, and tank priority.



NEW FEATURES

Available with EVO™ 600 & EVO™ 6000

CORROSION CONTROL™ INTEGRATION

The EVO™ 600 and EVO™ 6000 are compatible with the Corrosion Control™ Water Separator and Corrosion Detection Sensor, allowing owners to fully automate the removal of corrosion-causing water and acid from tanks and monitor for corrosive environments.

FLOW RATE MONITORING

The new Flow Rate Monitoring application delivers the ability to detect and react to potential slow flow issues with automated daily reporting and alarms, helping to improve dispenser throughput, maintain faster flow rates, and deliver predictive maintenance for dispenser filter changes. (Now available for all EVO Series ATGs.)

USER INTERFACE EFFICIENCY

Navigate the ATG more efficiently with more programmable One Touch buttons and a shallower menu structure. The FFS PRO® Connect web interface allows remote access via any web-enabled device.

MULTIPLEXING SENSOR HUB

Pair the EVO™ 600 or EVO™ 6000 with the new Multiplexing Sensor Hub to add the Corrosion Control™ System or additional sensors to existing sites without having to break concrete to run new wires.

DECREASE STATION DOWNTIME

An all new faster processor enables the ATG to reboot in just 10 seconds after firmware updates, keeping stations open and operational.

SECURITY FEATURES

Create unlimited user roles with customized access levels—all with individual user logins and tracking. The latest TLS/SSL protocols ensure data encryption between web browsers and the ATG.

LEVERAGE THE POWER OF EVO[™]



The EVO[™] 600 and EVO[™] 6000 are compatible with the Corrosion Control[™] Water Separator and Corrosion Detection Sensor, allowing owners to fully automate the removal of corrosion-causing water and acid from tanks and monitor for corrosive environments.

Pair your EVO[™] 600/6000 with the new Multiplexing Sensor Hub to add the Corrosion Control[™] System or additional sensors to existing sites without having to break concrete to run new wires.



Advanced Protection Submersible Pump

Desiccant Pack



Corrosion Detection Sensor



ELECTRONIC LINE LEAK DETECTION (ELLD)

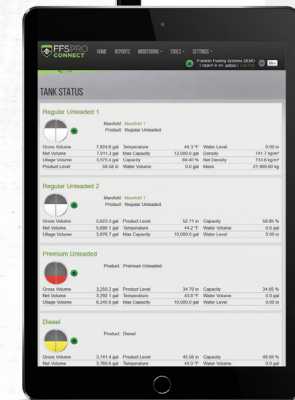
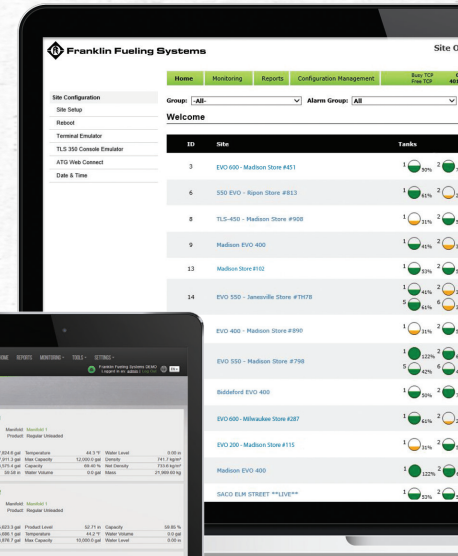
Connect your fuel management system with your pipework system to detect leaks through a transducer device installed in the submersible pump with this optional software feature. (Available on the EVO[™] 550, 5000, 600, 6000)



The System Sentinel Anyware[™]-2 (SSA-2) remote fuel monitoring software fully connects owners, operators, and compliance personnel to their networks of automatic tank gauges (ATGs) on the cloud or via on-premise servers.



The FFS PRO[®] Connect web interface allows you to securely connect directly to your EVO[™] Series ATG from any web enabled device. It automatically scales for tablets and smart phones, meaning no app to download. (Included on EVO[™] 200, 400, 600, 6000)



PROBES & SENSORS









Franklin Fueling Systems provides a complete set of accessories compatible with EVO[™] Series ATGs. Pair an EVO[™] with an inventory probe and float kit for precision tank level monitoring. Monitor containment with a discriminating or non-discriminating sensor to ensure compliance. For a full list of probes, sensors, and floats, visit franklinfueling.com.



FIND THE RIGHT ATG FOR YOUR SITE.











EVO™ 200

-  Maximum Tank Capacity
-  Maximum Sensor Capacity
-  Total # of Inputs
-  Turbine Pump Interface
-  FFS PRO® Connect
-  Inventory Reconciliation
-  Tank Autocalibration
-  Flow Rate Monitoring















EVO™ 400

-  Maximum Tank Capacity
-  Maximum Sensor Capacity
-  Total # of Inputs
-  Turbine Pump Interface
-  FFS PRO® Connect
-  Inventory Reconciliation
-  Tank Autocalibration
-  Flow Rate Monitoring















EVO™ 600 / EVO™ 550

-  Maximum Tank Capacity*
-  Maximum Sensor Capacity*
-  Total # of Inputs
-  Turbine Pump Interface
-  FFS PRO® Connect
-  Inventory Reconciliation
-  Tank Autocalibration
-  Flow Rate Monitoring
-  Corrosion Control™ Integration¹
-  Electronic Line Leak Detection
-  Secondary Containment Monitoring²
-  DEF/AdBlue Recirculation



EVO™ 6000 / EVO™ 5000

-  Maximum Tank Capacity*
-  Maximum Sensor Capacity*
-  Total # of Inputs
-  Turbine Pump Interface
-  FFS PRO® Connect
-  Inventory Reconciliation
-  Tank Autocalibration
-  Flow Rate Monitoring
-  Corrosion Control™ Integration¹
-  Electronic Line Leak Detection
-  Secondary Containment Monitoring²
-  DEF/AdBlue Recirculation

Optional features below dashed line

* Additional capacity available with expansion console

¹ EVO™ 600/6000 only

² EVO™ 550/5000 only

TOTAL

SYSTEM SOLUTIONS



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