Franklin Electric
FUELING SYSTEMS

EVO™
ONE



THE ALL-IN-ONE FUEL MONITORING SYSTEM SOLUTION

AT THE PRICE OF JUST A CONSOLE

INVENTORY CONTROL | COMPLIANCE MONITORING | LEAK DETECTION | REMOTE ACCESS

ONE COMPLETE SYSTEM AT A PRICE YOU CAN'T IGNORE.

EVO™ ONE is an all-in-one fuel management system (including console, sensors, and hardware) that lets you upgrade or equip a site with up to 4 tanks **for about the same price as a standalone ATG console replacement, when bundled with probes**.

One kit, one system, one solution

Full featured | User-friendly | Affordable | Easy upgrade | Simplified compliance | Remote access





LIQUID SENSORS



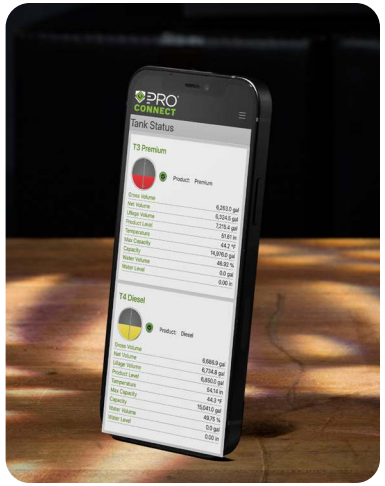
INVENTORY PROBES & FLOATS



EVO™ ONE CONSOLE



LINE LEAK DETECTION



REMOTE ACCESS

THE EVO™ ONE SYSTEM

EVO™ ONE is an economical, turnkey fuel monitoring solution designed for complete system management. The bundle includes a console, sensors, probes, and all necessary installation hardware. Designed for easy installation and long-term reliability, EVO™ ONE delivers a fully integrated system at a cost-effective price, with the security that you've come to expect from the EVO™ Series.

Feature & Benefits

- Full monitoring system at the cost of just a console
- Highly accurate, real-time fuel inventory monitoring
- Automated compliance monitoring, testing, and reporting
- Continuous electronic line leak detection *(Optional)*
- Advanced pump monitoring and control
- Pre-configure software tool for fast, hassle-free setup
- Anywhere, anytime access via PRO® Connect
- Includes hardware for turnkey installation
- Custom security levels, user tracking, & multifactor log-in
- Latest TLS/SSL protocols for secure data encryption

Capabilities

- Inventory monitoring
- Inventory reconciliation
- Tank autocalibration
- Static tank testing
- Statistical Continuous Automatic Leak Detection (SCALD®)
- Turbine Pump Interface™ (TPI)
- Containment compliance monitoring
- Electronic Line Leak Detection (ELLD)*
- AUTO-LEARN® ELLD line learning*
- Statistical Line Leak Detection (SLLD)*
- Programmable logic conditions (custom applications)

**Optional capability*

System Includes



EVO™ ONE Console & Remote Access



Line Leak Detection Pressure Transducers *(Optional)*



Universal Liquid Sensors



Probes



Probe Float Kits

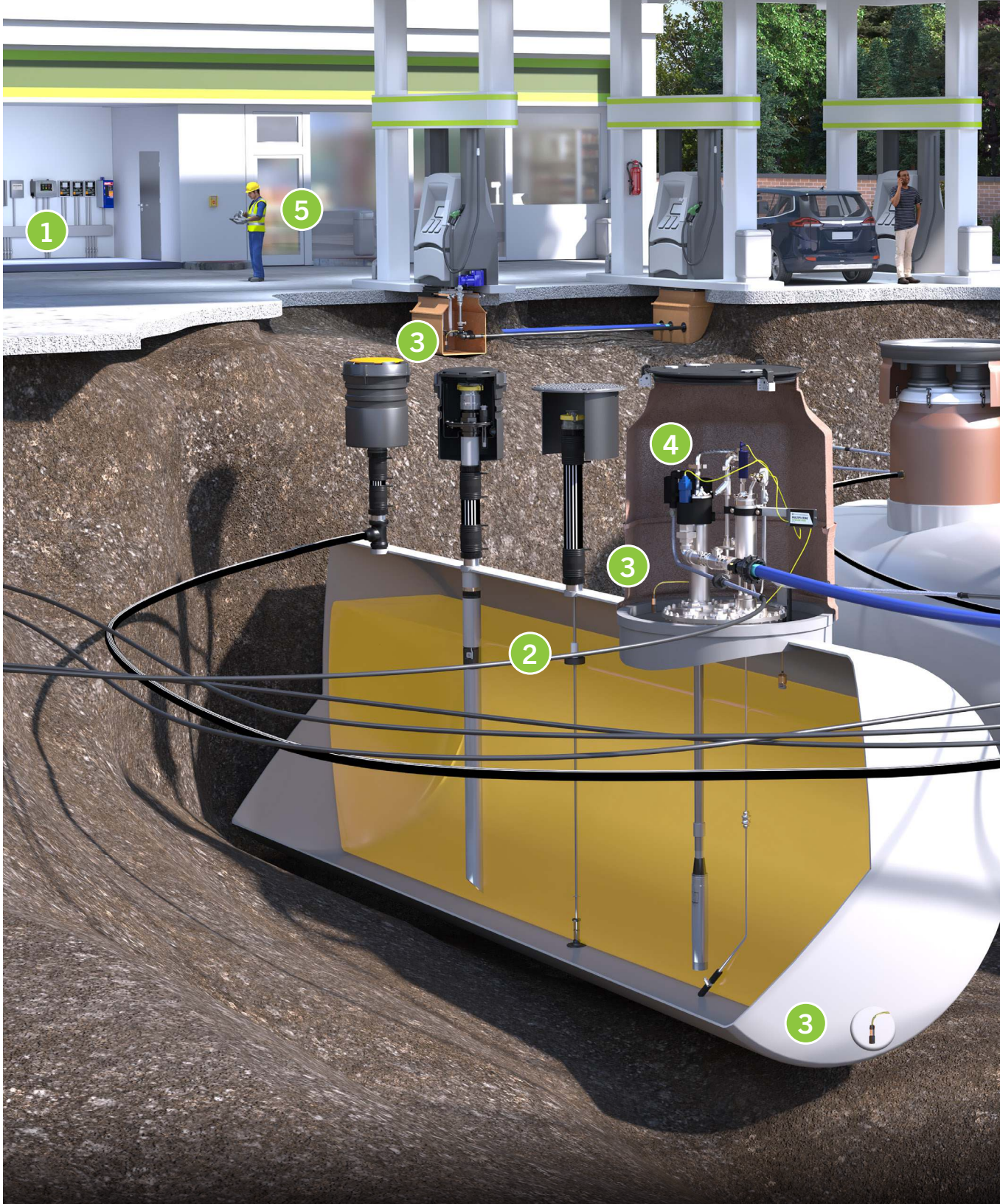


Probe Install Kits



EVO™ ONE: A SYSTEM SOLUTION

1. EVO™ ONE CONSOLE
2. PROBES & FLOAT KITS
3. LIQUID SENSORS
4. LEAK DETECTION
5. REMOTE ACCESS





A HIGHLY CAPABLE CONSOLE

EVO™ ONE features capabilities that empower every user type to make informed, data-driven inventory management decisions while keeping sites in compliance and operating at peak performance.

COMPLIANCE MONITORING

Full-featured compliance monitoring with monthly and annual tank testing, containment testing, and line testing — even for busy sites with minimal downtime.

CONTAINMENT MONITORING

EVO™ provides containment monitoring to detect water or fuel leaks in sumps and interstitial spaces, ensuring early detection and compliance with environmental regulations.

ALARMS & EVENTS

Operators can easily manage system events with instant email or SMS alerts, a detailed event log, and remote access to quickly acknowledge or resolve issues.

LEAK DETECTION

Electronic Line Leak Detection (ELLD) continuously monitors pipework to detect leaks and provide hourly, monthly, and annual precision line leak detection compliance testing requirements.

(Optional)

CUSTOM APPS

Logic Conditions lets users create custom applications to do things like automate compliance testing and reporting and more.

ONE TOUCH BUTTONS

Automate and carry out anything from complex, multi-function processes to simple daily delivery report generation – all with the touch of a single button.

TANK MONITORING

Make informed, data-driven inventory management decisions with highly accurate tank level monitoring, tank autocalibration, and inventory reconciliation.

TURBINE PUMP INTERFACE™

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

EVO™ ONE MAKES IT EASY

EVO™ helps operators maintain compliance, protect their sites from leaks, and stay connected to vital inventory data anytime, anywhere.



COMPLIANCE MONITORING

Monitor and automate compliance-related activities, simplify regulatory reporting requirements, and ensure optimal fuel system performance.

INVENTORY MANAGEMENT

Track and manage fuel inventory levels, optimize fuel supply, and prevent runouts with inventory automation and customizable delivery notifications.

LEAK DETECTION

Proactively identify and address any potential issues, ensuring the safety and integrity of fuel storage, pipework, and the distribution processes.

USER-FRIENDLY INTERFACE

The EVO™ ONE full-color, 7" LCD touchscreen features intuitive controls and clear visual cues, allowing users to easily access all functionalities without extensive training. EVO™ ONE simplifies complex tasks for an easy user experience.





ONE TOUCH BUTTONS

The home screen can be customized with up to six One Touch Buttons. These buttons simplify routine tasks for on-site staff and help automate fuel system corrective actions in the event of an alarm.

QUICK JUMP MENU

Navigate quickly through applications with ease. This time-saving menu makes the interface's structure extremely shallow, simple to navigate, and reduces the amount of steps it takes to accomplish tasks.

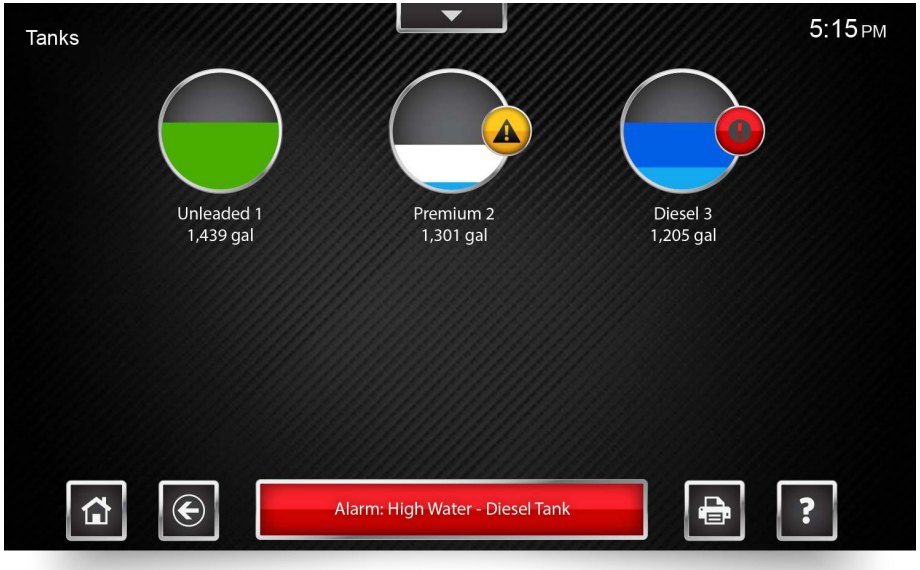


INTELLIGENT DESIGN



ICON-BASED DESIGN

Designed with a smartphone-like interface, EVO™ ONE features colorful apps, status indicators, and intuitive navigation, making it easy for new users to operate with minimal training.



CUSTOM COLORS

Customizable fuel grade colors make it easy for users to identify fuel grade types, check tank water levels, and identify any potential issues at a glance.

STAY CONNECTED

The PRO® Connect Web Browser Interface allows operators to securely and remotely connect to EVO™ ONE from any web enabled device. Automatic scaling provides access to site information whether using a PC, tablet, or smart phone.

REMOTE MONITORING

Get remote access to vital site data including tank status, sensor status, pump status, delivery information, active events, alarm history, event history, and more.

INVENTORY FORECASTING

Remotely monitor tank levels, view delivery information, and check the predicted days of remaining inventory to precisely schedule deliveries and avoid costly run-outs.

SIMPLIFIED REPORTING

A wide variety of reports including inventory, alarm history, delivery history, sensor status, and regulatory compliance can be custom-scheduled, displayed, printed, or emailed at specific times.

- Displays data in a user-defined schedule, or in real-time
- Centralized control of all compliance information
- Monitor inventory to precisely forecast delivery needs
- Create and schedule customized reports
- Generate, view, print, or email reports
- Analyze and respond to system events and alarms
- Configure custom applications and system automation
- Control and troubleshoot pumps remotely

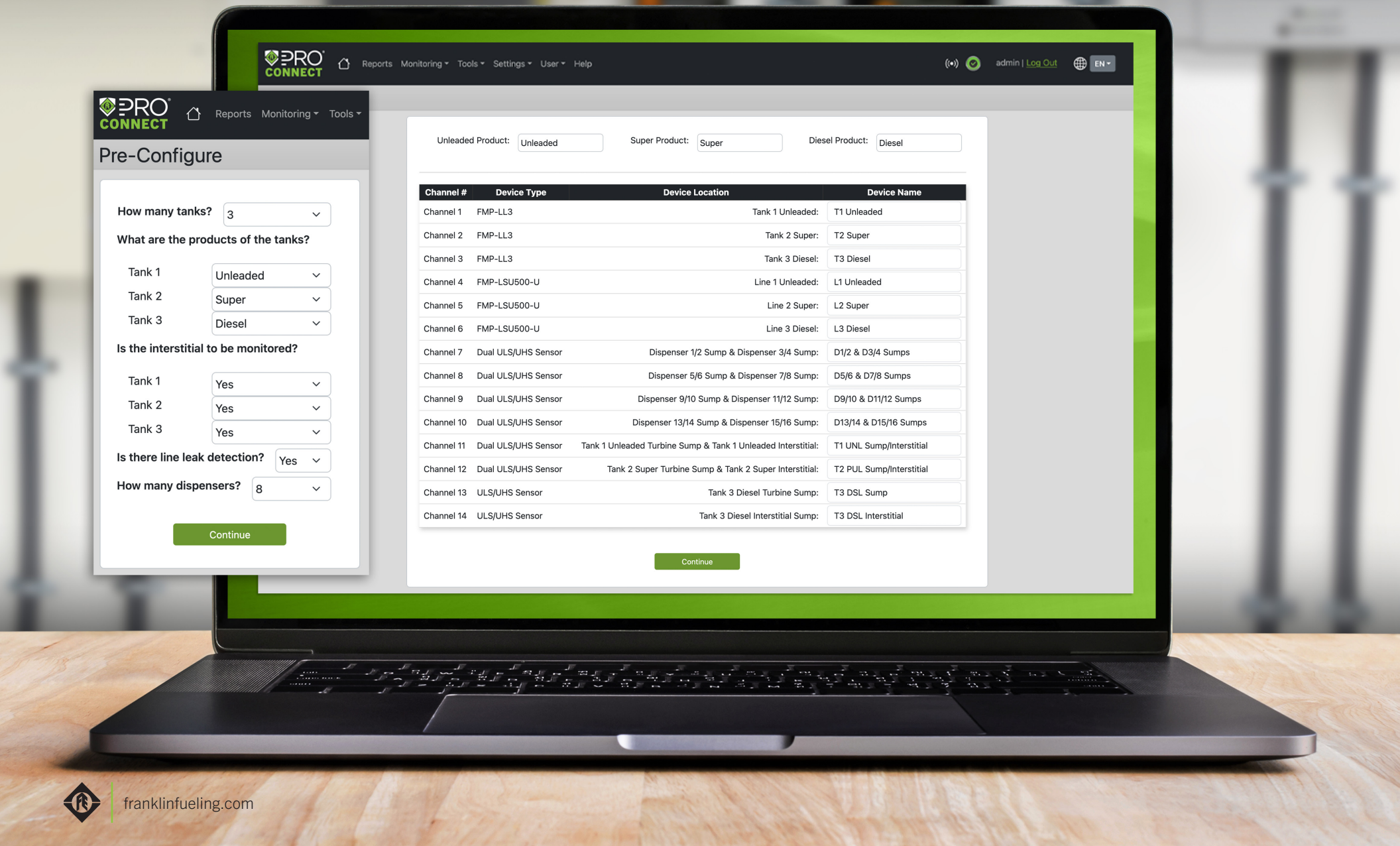


REMOTE MONITORING CAPABILITIES

- Tank Status
- Sensor Status
- Line Status
- Pump Status
- Compliance Status
- Meter Status
- Shift Status
- Events
- Discrete Input Status

FASTER SETUP

The Pre-Configure tool uses a few simple questions to auto-fill configurations settings, cutting setup time and reducing complexity.



ACCESSORIES INCLUDED WITH EVO™ ONE

PROBES

Digital inventory and leak detection probes provide accurate tank level monitoring and reporting with optional leak detection capabilities. These probes employ digital communications and magnetostrictive position measurement technology for highly accurate tank readings.



PROBE FLOATS

Float kits come complete with a product and water float. The 2" float kit is paired with each probe to measure fuel and water level information inside the tank.



PROBE INSTALLATION KITS

Probe install kits provide a tight seal to the tank to prevent water intrusion and meet regulatory requirements. A quick release cap enable easy access to the probe for inspection or maintenance.



LIQUID SENSORS

Based on float-switch technology and made of chemically-resistant materials, the liquid sensor can be installed in containments, basins, double wall tanks or other locations where the presence of liquid indicates a leak has occurred.



LINE LEAK DETECTION SENSOR

EVO™ ONE utilizes line leak detection pressure transducers mounted in the submersible pump manifold to monitor fuel lines for pressure drops, enabling rapid detection of leaks and ensuring compliance with leak detection requirements.

(Optional)



ADDITIONAL ACCESSORIES

Complete your system with these EVO™ ONE compatible accessories.

EXTERNAL PRINTER

Connect via EVO™ ONE USB port.



OVERFILL ALARMS

Connect via 1 of the 4 EVO™ ONE relays.



FLOAT KITS

Standard for diesel or gas & phase separation.



COMPATIBLE SENSORS

In addition to the Universal Liquid Sensors included with EVO™ ONE kits, these additional sensor types can be ordered for your application.

Sensor	Discriminating Dispenser Sump Sensor	Discriminating Turbine Sump Sensor	Discriminating Magnetostrictive Sump Sensor	Universal Hydrostatic Sensor	Electro-Optic Interstitial Sensor	Discriminating Interstitial Sensor	Hydrostatic Interstitial Sensor	Corrosion Detection Sensor	Desiccant Pack Sensor
EVO™ ONE Model Number	FMP-DDS-UD	FMP-DTS-U	TSP-DMS	FMP-UHS	FMP-EIS-U	FMP-DIS-U	FMP-HIS-U FMP-HIS-XL-U	FMP-CDS-U	FMP-DPS-U
Typical Application	Dispenser sump applications requiring discriminating capabilities	Turbine sump applications requiring discriminating capabilities	Containment sump applications requiring discriminating capabilities with tamper protection regulations in place	Brine-filled double wall containment sump and tank applications	Dry double wall steel and wrap-around fiberglass tank applications	Dry double wall steel and wrap-around fiberglass tank applications requiring discriminating capabilities	Brine-filled double wall tank applications requiring high brine vs. low brine detection	Monitoring for corrosive environments	Monitoring remaining life of the Desiccant Pack(s)

WHY UPGRADE THE WHOLE SYSTEM?

Unlike competitive solutions that only replace the console, EVO™ ONE lets station owners replace everything – console, sensors, probes – at the same cost of a new console. This means a complete, modern fuel monitoring system without the hidden costs associated with outdated components.

1

UPGRADE TO THE LATEST TECHNOLOGY

Get the most advanced fuel monitoring system available, with features like electronic line leak detection (optional), 24-hour tank testing, remote access, and more.

2

GUARANTEED COMPATIBILITY

Mixing new consoles with legacy probes and sensors can create integration headaches. EVO™ ONE ensures all components work seamlessly from day one.

3

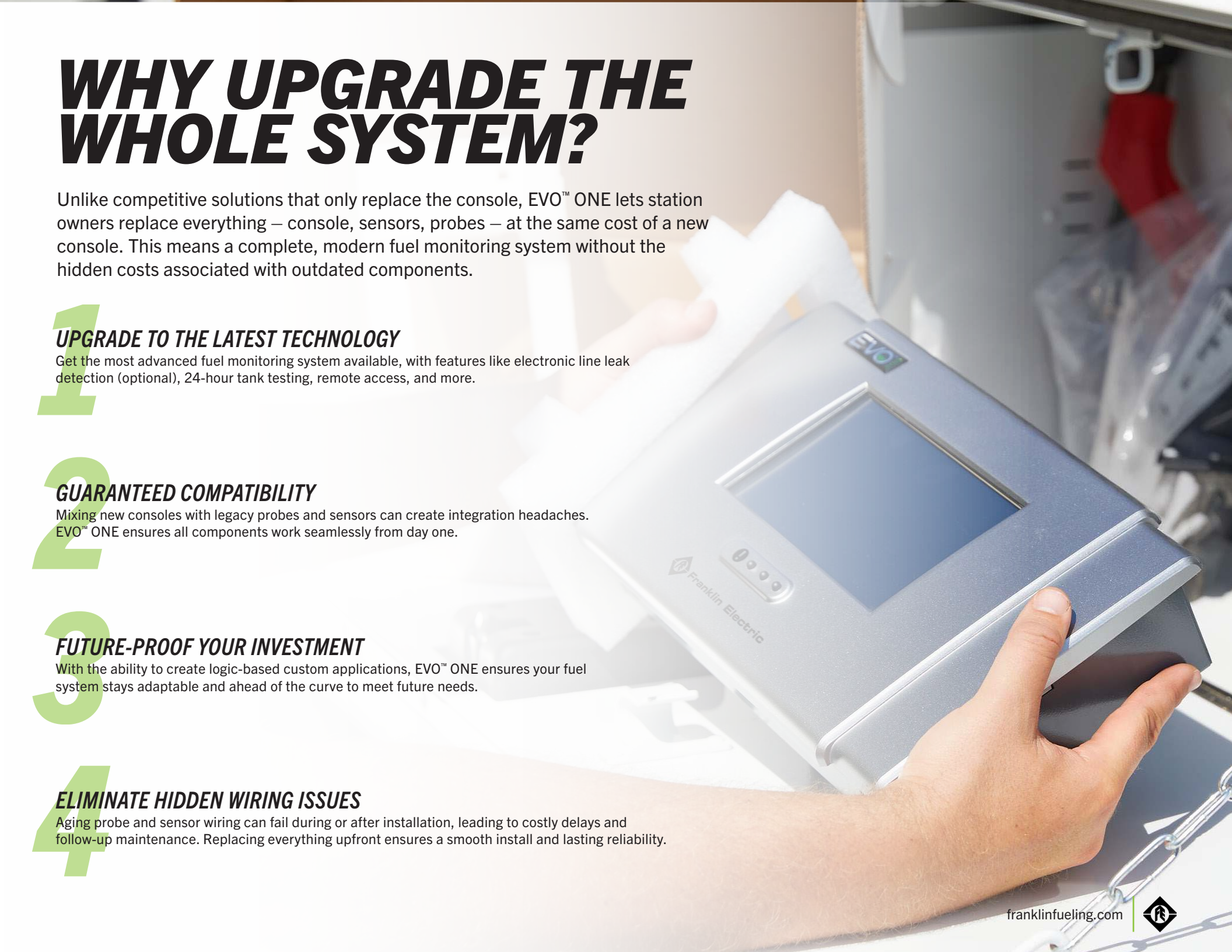
FUTURE-PROOF YOUR INVESTMENT

With the ability to create logic-based custom applications, EVO™ ONE ensures your fuel system stays adaptable and ahead of the curve to meet future needs.

4

ELIMINATE HIDDEN WIRING ISSUES

Aging probe and sensor wiring can fail during or after installation, leading to costly delays and follow-up maintenance. Replacing everything upfront ensures a smooth install and lasting reliability.



KIT ORDERING OPTIONS



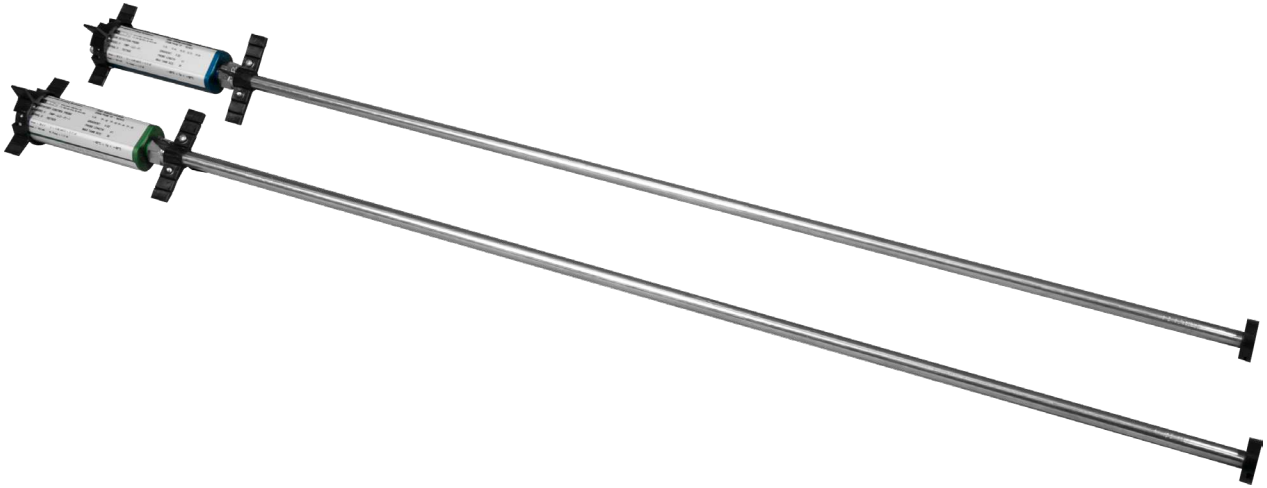
EVO™ ONE ORDERING GUIDE

EVO™ ONE Kits **must be bundled** with probes as a separate line item. Probes are **purchased separately from the kit** to allow for varying tank diameters / probe lengths.

STEP 1 - SELECT EVO™ ONE KIT:

Select the appropriate EVO™ ONE Kit based on site size and requirements.

Model	Description	Included
EVO1-X0-S4-BC2-2IG1D1	EVO™ ONE Kit for up to **2 tanks**	(1) EVO™ ONE console, (4) Universal Liquid Sensors, (2) 2" Probe Install Kits, (1) 2" Gas Float Kits, (1) 2" Diesel Float Kit
EVO1-X2-S4-BC2-2IG1D1	EVO™ ONE Kit for up to **2 tanks** with **line leak detection**	(1) EVO™ ONE console, (1) Line Leak Detection Kit with (2) Pressure Transducers, (4) Universal Liquid Sensors, (2) 2" Probe Install Kits, (1) 2" Gas Float Kits (1) 2" Diesel Float Kit
EVO1-X0-S8-BC4-2IG3D1	EVO™ ONE Kit for up to **4 tanks**	(1) EVO™ ONE console, (8) Universal Liquid Sensors, (4) 2" Probe Install Kits, (3) 2" Gas Float Kits, (1) 2" Diesel Float Kit
EVO1-X4-S8-BC4-2IG3D1	EVO™ ONE Kit for up to **4 tanks** with **line leak detection**	(1) EVO™ ONE console, (1) Line Leak Detection Kit with (4) Pressure Transducers, (8) Universal Liquid Sensors, (4) 2" Probe Install Kits , (3) 2" Gas Float Kits, (1) 2" Diesel Float Kit





STEP 2 - SELECT PROBES:

Select the appropriate Probes based on tank diameters.*

Probes With Leak Detection

Model	Description
FMP-LL3-29	2' digital leak detection probe
FMP-LL3-41	3' digital leak detection probe
FMP-LL3-53	4' digital leak detection probe
FMP-LL3-65	5' digital leak detection probe
FMP-LL3-69	5'4" digital leak detection probe
FMP-LL3-77	6' digital leak detection probe
FMP-LL3-81	6'4" digital leak detection probe
FMP-LL3-89	7' digital leak detection probe
FMP-LL3-101	8' digital leak detection probe
FMP-LL3-113	9' digital leak detection probe
FMP-LL3-125	10' digital leak detection probe
FMP-LL3-131	10'6" digital leak detection probe
FMP-LL3-137	11' digital leak detection probe
FMP-LL3-149	12' digital leak detection probe

Inventory Only Probes

Model	Description
FMP-LL3-29-I	2' digital inventory control probe
FMP-LL3-41-I	3' digital inventory control probe
FMP-LL3-53-I	4' digital inventory control probe
FMP-LL3-65-I	5' digital inventory control probe
FMP-LL3-69-I	5'4" digital inventory control probe
FMP-LL3-77-I	6' digital inventory control probe
FMP-LL3-81-I	6'4" digital inventory control probe
FMP-LL3-89-I	7' digital inventory control probe
FMP-LL3-101-I	8' digital inventory control probe
FMP-LL3-113-I	9' digital inventory control probe
FMP-LL3-125-I	10' digital inventory control probe
FMP-LL3-131-I	10'6" digital inventory control probe
FMP-LL3-137-I	11' digital inventory control probe
FMP-LL3-149-I	12' digital inventory control probe

**Probes are purchased separately from the EVO™ ONE kit to complete the system bundle.*

TECHNICAL SPECIFICATIONS

EVO™ ONE CAPABILITIES

Inventory Monitoring

Provides real-time tracking of fuel levels within storage tanks. This enables station owners to manage inventory effectively, reducing the risk of runouts or overfilling.

Inventory Reconciliation

Compares dispensed fuel amounts with actual inventory levels to identify discrepancies. This helps detect potential leaks or theft, ensuring product accountability and environmental compliance.

Tank Autocalibration

Automatically adjusts tank capacity measurements to reflect actual conditions. This enhances measurement accuracy, leading to more precise inventory management and compliance reporting.

Static Tank Testing

Conducts scheduled, non-intrusive tests to verify tank integrity. Station owners benefit by ensuring regulatory compliance and preventing environmental contamination.

Statistical Continuous Automatic Leak Detection (SCALD®)

SCALD® continuously analyzes data to detect tank leaks without requiring shutdowns or interrupting fueling. Ideal for 24/7 sites with minimal quiet periods, it ensures compliance without disrupting operations.

Containment Compliance Monitoring

Monitors containment sumps and tank interstitial for leaks or breaches. This ensures early detection of containment failures, protecting the environment and aiding in regulatory compliance.

Programmable Logic Conditions (Custom Applications)

Enables customization of system responses based on specific site conditions. This flexibility allows station owners to automate processes, enhancing operational efficiency.

Electronic Line Leak Detection (ELLD) *(Optional)*

Utilizes electronic sensors mounted in the submersible pump manifold to detect leaks in fuel lines. Early detection prevents product loss and environmental hazards, ensuring system integrity.

AUTO-LEARN® ELLD Line Learning *(Optional)*

Automatically learns the characteristics of fuel lines to enhance leak detection accuracy. This ensures precise, customized leak detection, reducing the risk of false alarms and enhancing overall system accuracy.

Statistical Line Leak Detection (SLLD) *(Optional)*

Analyzes pressure and flow data over time to identify leaks. This allows sites with constant fuel flow to perform 0.2 gph leak testing, even during peak operation, which ensures continuous compliance without disrupting operations.

Dual-Sensor Connectivity in Parallel per Input

Allows two sensors to connect to a single input channel in parallel. This expands monitoring capabilities without additional hardware, optimizing system resources.

Remote Access via PRO® Connect

Provides off-site access to system data and controls through a secure web interface. Station owners can monitor and manage their sites remotely, improving response times and operational oversight.

Turbine Pump Interface™ (TPI)

Creates a network between intelligent pump controllers and EVO™ ONE allowing real-time data sharing and intelligent system responses. This enables remote troubleshooting and reduced downtime features like:

- **Pump in Water Automation**
  Detect water in tanks and automatically shut off the affected pump, preventing water from being pumped into a customer's vehicle.
- **Clogged Pump Escalation**
  Detect, verify, and automate the resetting of a pump to clear clogs and bring them back online faster without a service call.
- **Tank Leveling & Priority**
  Balance the levels of multiple tanks with the same fuel type or prioritize one tank for faster, more efficient fuel deliveries.

EVO™ ONE CONSOLE

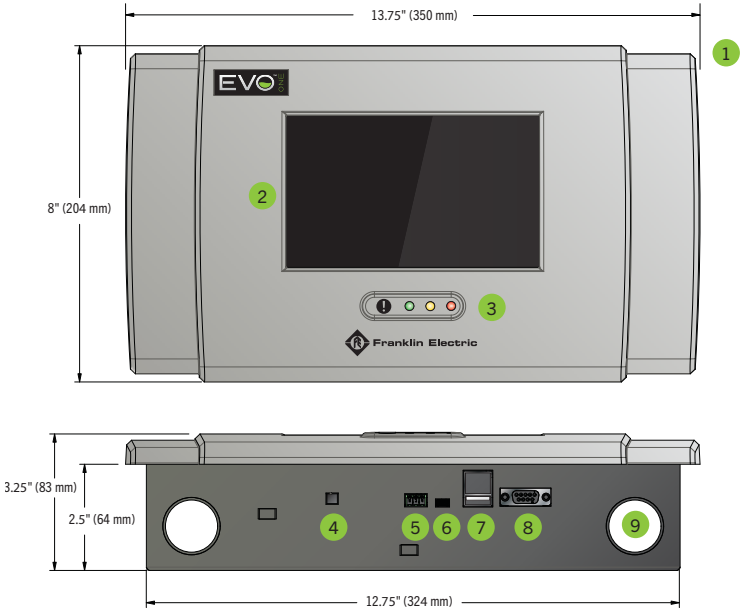
Inputs & Connectivity

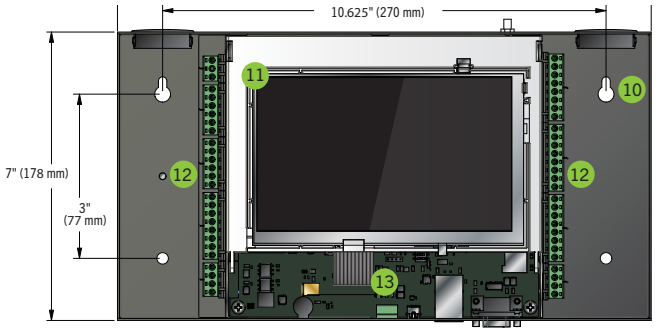
Universal Device Protocol inputs	14
Maximum tanks monitored	14
Maximum sensor input capacity	14, 28*
Lines capacity	4
Maximum total device inputs	14, 28*
Maximum AC input channels	4
Dry contact input channels	2
Relay output channels	4
Connectivity	Ethernet, RS-232, RS-485, standard USB, USB Mini-B
Communication protocol support	MQTT, MODBUS®, XML, Veeder-Root®

**Requires connecting two FMP-ULS sensors per channel.*

Hardware

Dimensions (L x W x H)	8" x 13 ¾" x 3¼" (205 mm x 350 mm x 83 mm)
Display type	7" (17.78 cm) color LCD touch screen
Printer type	External (network or USB)
Alarm	Internal audible alarm
LEDs	Alarm, warning, and power
Power requirements	110 to 240 VAC, 50/60 Hz, 1.0 amp
Operating temperature	32° to 104° F (0° to 40° C)
Storage temperature	-4° to 104° F (-20° to 40° C)
Humidity	0-90% non-condensing
Approvals	UL, cUL, ATEX, IECEx, GSA IT Security
Certifications	Third party certification of leak detection capabilities
Security	- Customizable user roles - User activity tracking - Multifactor authentication - Third party verified security - GSA IT security approval - Latest SSL/TLS protocols





1. Cover
2. LCD Touch Screen
3. LED Indicators
4. Annunciator (audible alarm)
5. RS-485 / TPI
6. USB Mini-B 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

TECHNICAL SPECIFICATIONS

TOTAL SYSTEM SOLUTIONS™

Franklin Electric
FUELING SYSTEMS

3760 Marsh Rd. • Madison, WI 53718
www.franklingrid.com • +1 844.344.5025

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