



**Franklin Electric**  
ENERGY SYSTEMS

**EVO™**  
SERIES



**ELECTRONIC LINE  
LEAK DETECTION**

**+** 24/7 Continuous Monitoring  
Automate Leak Detection  
Simplify Compliance Testing

# ELECTRONIC LINE LEAK DETECTION

EVO™ Series Electronic Line Leak Detection (ELLD) is designed to provide early detection of leaks in pressurized fuel lines. The system features automatic submersible pump shutdown in the event of a leak, minimizing the risks of costly spills and environmental cleanup. This pressure-based system utilizes learned line characteristics to monitor for changes in pressure to declare the line as tight or determine if a leak is present.

Optional software feature of EVO™ 600 and EVO™ 6000

Utilizes pressure transducer installed in the submersible pump

Compatible with submersible pumps generating 25 psi or more

Automatically learns the pressure characteristics of each line

Automated 3 gph (11 lph), 0.2 gph (0.8 lph), and 0.1 gph (0.4 lph) testing

Performs 3 gph leak test after every dispense cycle or 45 min

Performs 0.2 gph monthly / 0.1 gph annual tests during quiet periods

Compatible with flexible, rigid, or combination of pipe

Positive pump shutdown in the event of a gross leak\*

Remote access to line pressure, test, and alarm information

\* Can be disabled for generator applications, optional for monthly and annual precision testing.



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## AUTO-LEARN® TECHNOLOGY

EVO™ leverages AUTO-LEARN® technology to automatically program the unique pressure characteristics of each pipework system. This ensures precise, customized leak detection, reducing the risk of false alarms and enhancing overall system accuracy.



## DYNAMIC LINE LEAK DETECTION

With Statistical Line Leak Detection (SLLD), EVO™ allows sites with constant fuel flow to perform 0.2 gph leak testing even during peak operation. This is ideal for busy fuel stations where quiet periods are rare, ensuring continuous compliance without disrupting operations.



## AUTOMATED COMPLIANCE TESTING

EVO™ streamlines the regulatory process by automating 3 gph, 0.2 gph, and 0.1 gph line leak detection compliance testing. This feature ensures that your system meets environmental standards effortlessly, with the EVO™ automatically performing the necessary tests at regular intervals.

# THE BENEFITS OF ELECTRONIC LINE LEAK DETECTION



## 24/7 CONTINUOUS MONITORING

EVO™ provides around-the-clock monitoring, ensuring constant protection for fueling systems. This proactive detection allows for immediate identification of leaks, helping prevent environmental risks and costly downtime.



## AUTOMATE LEAK DETECTION

EVO™ eliminates the risk of errors from manual setup and the intervention typically required with mechanical leak detection. Through automation, EVO™ delivers more precise and reliable leak detection and reduces the need for human involvement.



## SIMPLIFY COMPLIANCE TESTING

EVO™ simplifies regulatory compliance with automated testing and built-in reporting features. Testing schedules and reports are handled automatically, making it easier to maintain compliance and streamline audits without added effort.



With EVO™ Series Electronic Line Leak Detection, potential leaks are detected early, helping you to avoid costly downtime, environmental risks, and regulatory penalties.





## HOW DOES IT WORK?

### 1 PRESSURE TRANSDUCER

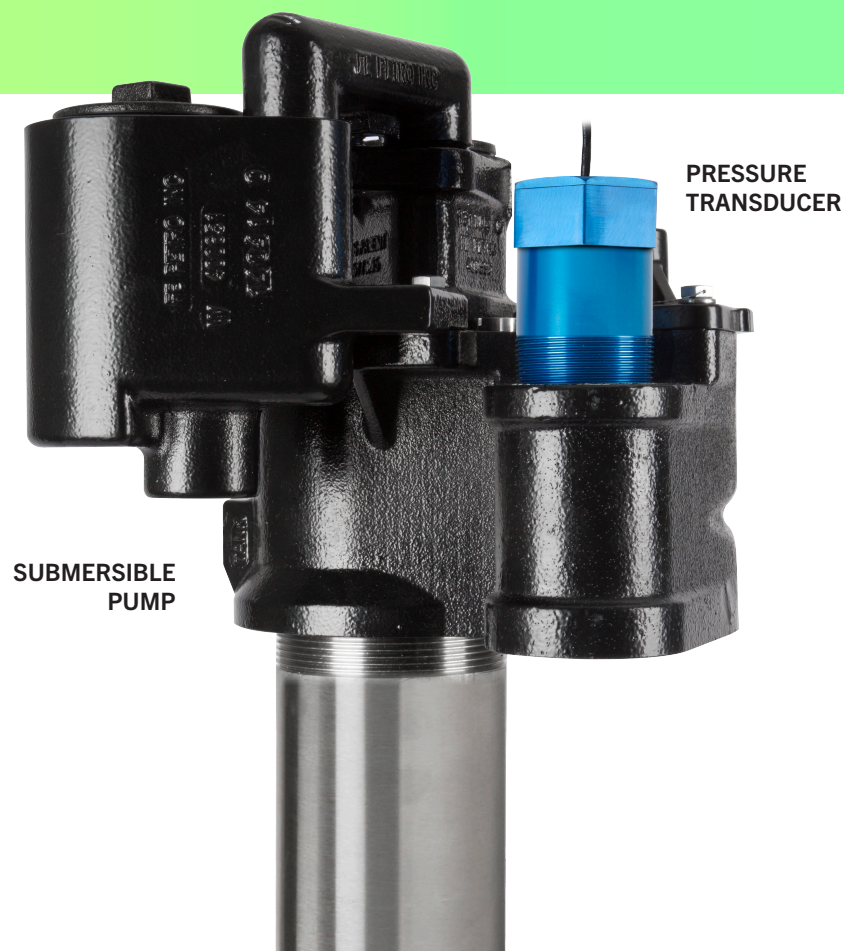
The EVO™ Pressure Transducer is typically installed in the leak detector port of the submersible pump manifold. During the AUTO-LEARN® setup process, EVO™ learns the pressure decay curve characteristics of a calibrated leak.

### 2 EVO™ CONSOLE

During non-pumping periods, the EVO™ will conduct line leak testing by comparing the line pressure changes to those learned during the AUTO-LEARN® process. A deviation in pressure, such as a drop beyond predefined thresholds, will be declared as a leak and shut down the associated submersible pump.

### 3 PRO® CONNECT WEB INTERFACE

With declaration of a leak, the system will notify the operator via the EVO™ display with additional email or SMS notification through the PRO™ Connect Web Browser Interface.



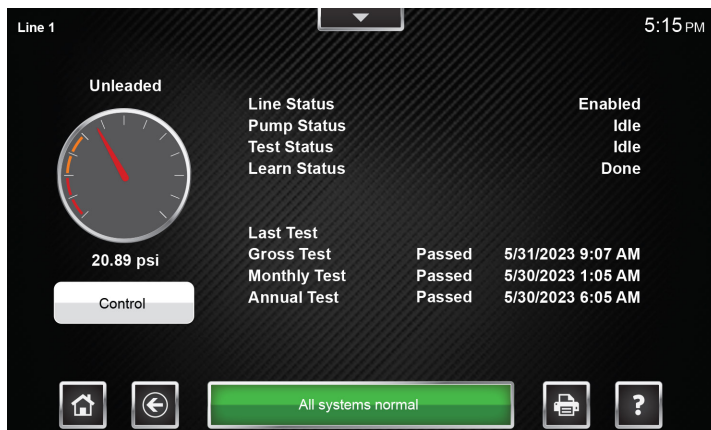
# USER-FRIENDLY INTERFACE

EVO™ features intuitive controls and clear visual cues, allowing users to easily access all functionalities without extensive training. Whether viewing line status, setting up alerts, or accessing testing information, EVO™ simplifies complex tasks for an easy user experience.



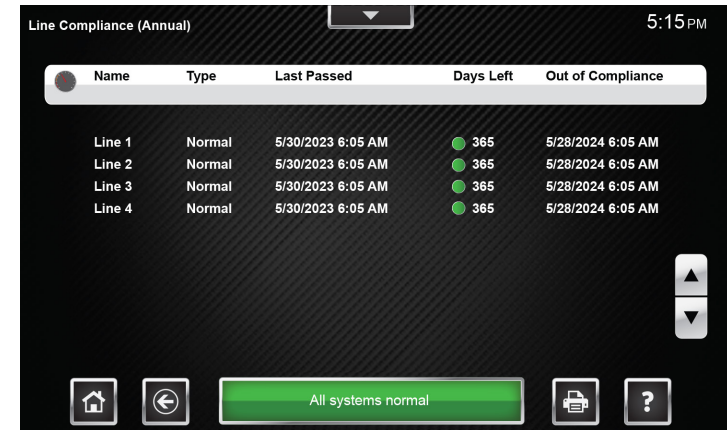
## SYSTEM OVERVIEW

Get a quick system snapshot with visual alarm indicators for lines outside pressure thresholds and warning indicators for lines nearing compliance deadlines.



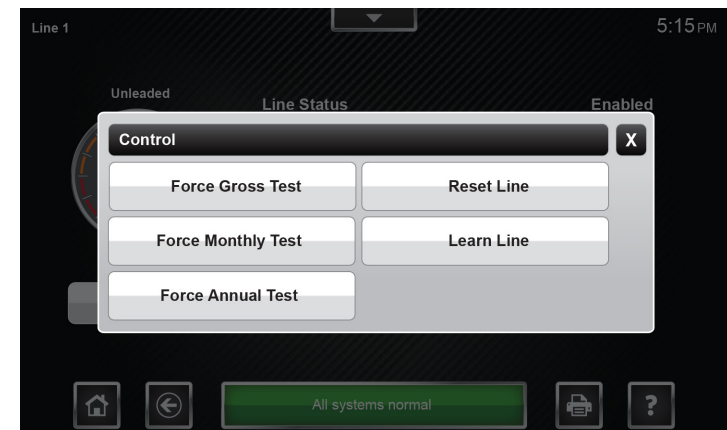
## DETAIL VIEW

Review the details of each line with essential line-specific information regarding line status, pressure conditions, and testing results with date and time stamps.



## COMPLIANCE REPORTING

Automated line testing data is provided via consolidated compliance views for simplified compliance reporting.

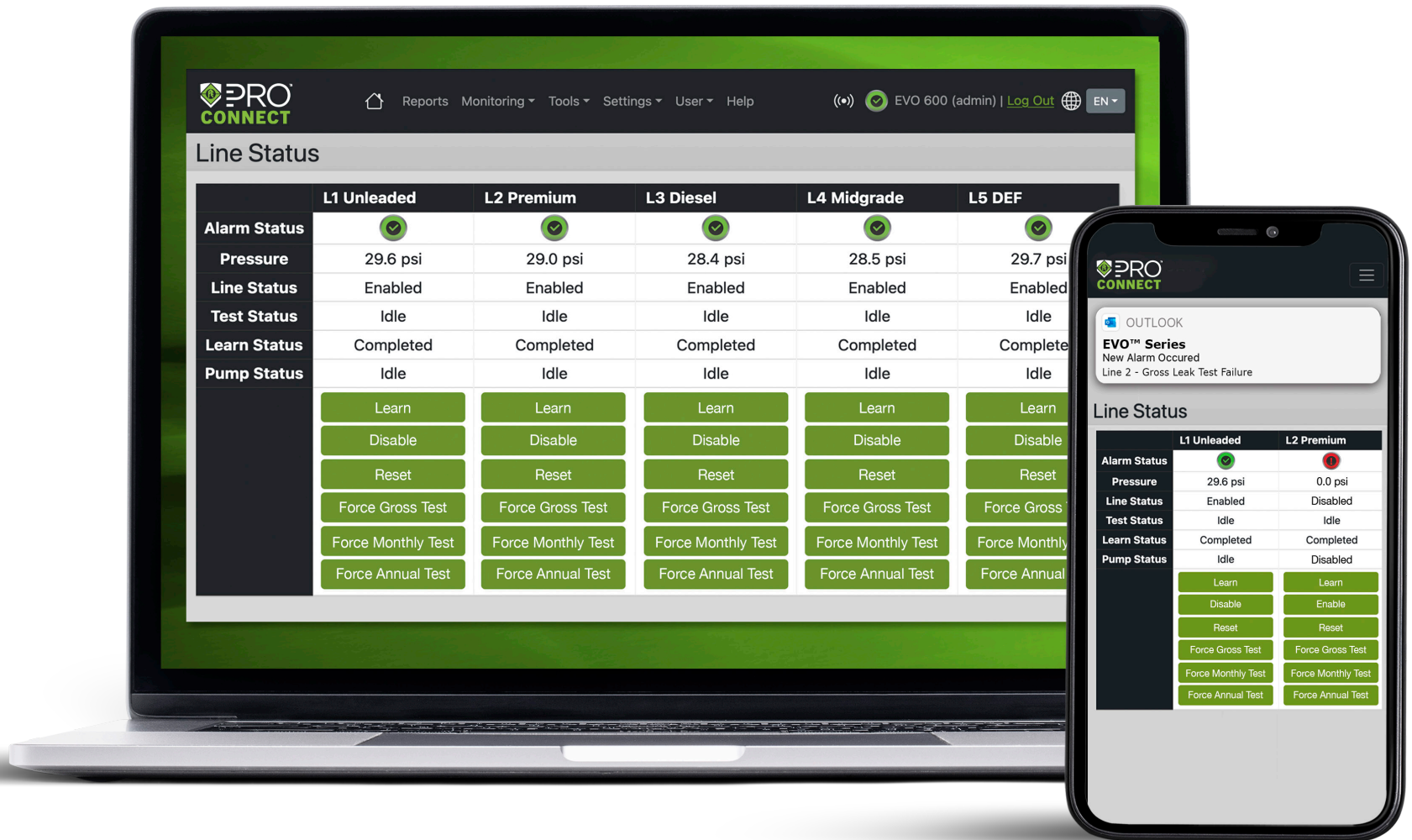


## ON-DEMAND TESTING

Conduct testing on your own schedule with on-demand testing control options.

# REMOTE USER INTERFACE

The PRO™ Connect remote user interface enhances offers operators real-time access and control from anywhere.



## Remote Monitoring

View real-time system status and leak detection data from any device, anywhere.

## Automated Alerts

Receive instant notifications of potential leaks, so you can respond quickly to minimize risks.

## Data Access

Access historical leak detection data and compliance reports for streamlined record-keeping and audits.

## Reduced Downtime

Troubleshoot issues remotely, reducing the need for on-site visits and minimizing operational interruptions.



# ADVANCED FEATURES COME STANDARD



## AUTO-LEARN® TECHNOLOGY

The AUTO-LEARN® feature enhances the setup process by automatically learning line characteristics, eliminating the manual entry of pipe lengths and diameters. This automated approach prevents human error and allows for unparalleled leak detection accuracy.

AUTO-LEARN® safeguards the system against local manipulation as users are unable to falsify setup parameters to wrongly dismiss alarms, ensuring a secure and tamper-proof setup.



## STATISTICAL LINE LEAK DETECTION

Running in parallel with standard line leak testing, Statistical Line Leak Detection (SLLD) offers a solution for busy 24-hour sites that are unable to accommodate the periods of no fueling required to achieve standard 0.2 gph (0.8 lph) precision leak testing.

SLLD provides a supplementary leak detection method to standard line leak detection testing by continuously gathering line pressure data and employing a statistical analysis algorithm to identify leaks.

## Added Security

Provides the security of consistent precision testing and peace of mind knowing your lines are being continually tested to EPA precision levels.

## Eliminate Costs

Eliminates annual testing costs on high throughput lines with no additional hardware to purchase.

## No Input Necessary

Automatically learning the pressure characteristics eliminates the need to enter pipe lengths and diameters, removing the potential for human error.

## Tamper Proof

Users are unable to manipulate setup parameters in order to clear alarms.



Unlike other Electronic Line Leak Detection solutions, all testing and compliance features come standard with the EVO™ Series Electronic Line Leak Detection software option.



# TOTAL SYSTEM SOLUTIONS™



**Franklin Electric**  
ENERGY SYSTEMS

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