

# UPGRADE



A planned upgrade of your LFL/DataMax System will increase safety and reliability, reduce maintenance and down time, and ensure production efficiency well into the future.

The DataMax control monitor offered many advanced features for its time. Between 1985 and 2000 many DataMax-based monitoring systems were installed in machines and processes throughout the world. Since the end of DataMax production, the PrevEx series of analyzers has established itself as a well-trying improvement with many added benefits.

Although the lifetime of the older analyzer system may span fifteen to twenty-five years, and Control Instruments is committed to responsibly support all installed equipment for as long as it can, there are significant gains to be made now by establishing a clear upgrade path. Initiating replacement of the older system can then proceed at whatever pace is found to be suitable. At a minimum, close consideration of upgrading gives confidence that there will be no time lost when the older systems begin to reach end-of-life. As many end users have discovered after their first experience, the benefits that the PrevEx analyzers have to offer often make the decision to upgrade an easy one.

## PrevEx Flammability Analyzer System includes:

- Stand-alone flammability sensor system with built-in controller for individual control of each zone.
- A remote Operator Interface for easy access and interfacing of analyzer readings, alarms, diagnostics and trending of multiple analyzers.

## Performance Benefits:

- Faster response time.
- Comprehensive on-board diagnostics; easy troubleshooting.
- Each PrevEx analyzer operates independently. This increases reliability overall, limits potential problems to a single monitoring zone, and simplifies support.

## Operation and Maintenance Benefits:

- Each PrevEx Analyzer has its own display, alarm relays as well as analog and digital outputs.
- A remote Operator Interface makes it easy to access the readings, status and trends of several analyzers at once.
- The remote Operator Interface is independent of analyzer operation; minimizing downtime.
- Automatic calibration and test eliminates all potentiometers and manual adjustments.
- Predictive maintenance - "Service Needed" message and relay contact anticipates need for maintenance before faults occur.
- Fault alarms are digitally filtered to prevent nuisance malfunction alarms from momentary flow or pressure changes.
- Automatic ignition and re-ignition in case of flameout.
- Automatic compensation for changes in flow maintains accuracy as filters clog.
- Automatic compensation maintains accuracy when process pressure/vacuum changes.
- Validation of calibration within allowable limits to detect improper procedure.
- Probe injection of calibration gas detects sampling system leaks.
- Significant reduction in o-ring count and potential leak paths for greater reliability.
- Simplified design; less equipment to service.

## Installation Benefits:

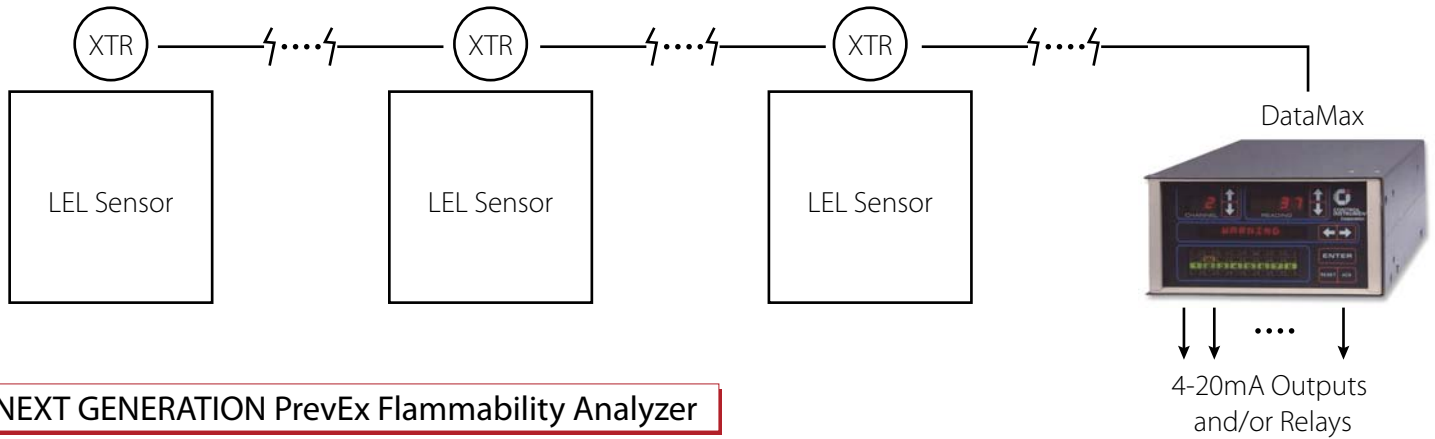
- Use of existing fuel, compressed air, and calibration gas utilities.
- More than 50% reduction in weight and size, making it easy to install.
- Direct duct-mounting speeds the response and eliminates heat trace sample lines.
- Independent alarm relays for each analyzer eliminate the reliance on communication links to generate alarms.
- Improved immunity to electromagnetic interference.



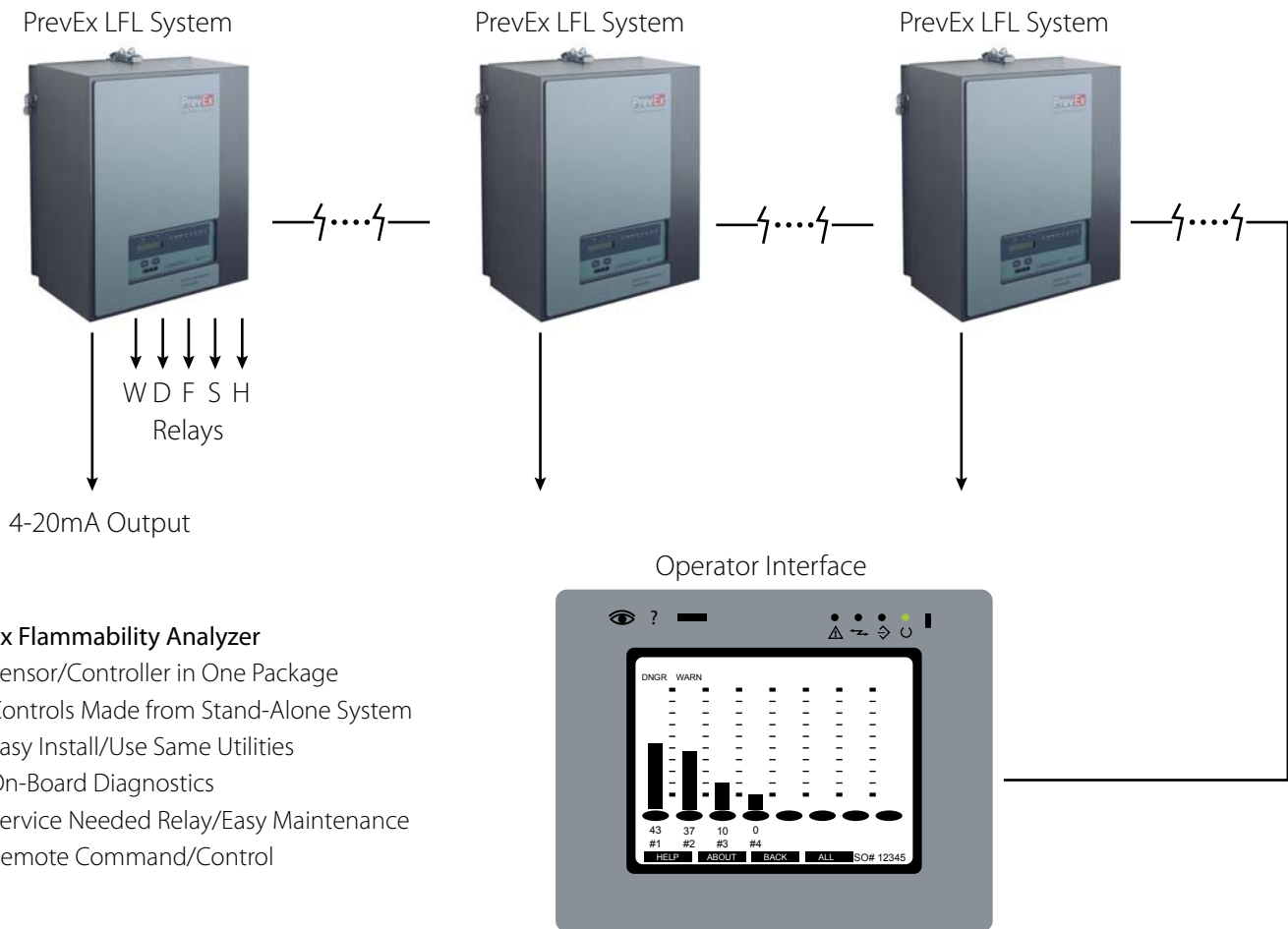
# UPGRADE



## Existing LFL/DataMax System



## NEXT GENERATION PrevEx Flammability Analyzer



### PrevEx Flammability Analyzer

- Sensor/Controller in One Package
- Controls Made from Stand-Alone System
- Easy Install/Use Same Utilities
- On-Board Diagnostics
- Service Needed Relay/Easy Maintenance
- Remote Command/Control

- Touchscreen Display
- Gives Diagnostics of Each Analyzer
- Will NOT Stop Line if Communication is Lost

