



A Newsletter from the CIC Service Department

Upgrade Analyzers for Added Cost Savings!

High Temperature Processes

Is your process running at temperatures greater than 200°C? Have your LFL analyzers been in operation since 1999?

Due to the nature of high temperature processes, the Model FTAs SNR500 and SNR550 are expected to have a useful operating life of 10-15 years depending upon the application and actual conditions of the process. In critical applications such as these, it is essential to ensure that the LFL Analyzers are properly operational.

Here is an example of how Control Instruments came to the aid of a customer running a high temperature process and successfully got them back up and running, without loss of production!

▪ The Process

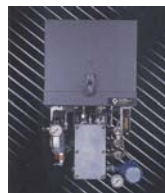
Aluminum is uncoiled and chemically cleaned, treated and rinsed to prepare the surface for optimum coating adhesion and corrosion protection. A coating of different solvents is applied uniformly to both sides of the strip. The coated coil is then oven cured to the desired performance specifications.

During the curing process solvent vapors are driven off. These vapors are then collected and sent to an oxidizer for destruction.

▪ The Problem

The Company was installing a new Regenerative Thermal Oxidizer on their coil coating line. The RTO manufacturer would not allow the oxidizer to be started up without solvent vapor analyzers being online and working properly.

The Company had 15 year old Control Instruments SNR550 LFL analyzers but they had been offline for a number of years. They



FTAs - SNR550

needed to get them back on-line and working properly. The Company contacted the factory

about restart of the units. They wanted a service technician to come immediately to perform maintenance, calibration and restart.

Because these were old systems, the delivery time for some of the spare parts would take many weeks and in some cases months. These long delivery times would hinder the speed of the RTO commissioning and their production schedule.

▪ The Solution

The Company wanted immediate action so CIC suggested that they purchase new PrevEx Flammability analyzers to replace the critical SNR550s. The cost of this was comparable to on-site service and the basic spare part

requirements that would

be needed for re-start. Installation of the PrevEx analyzers would be easy since they use the same

utilities and mount to the duct work in the same way as the SNR550s. In addition they could be up and running within two weeks of when the order was placed.

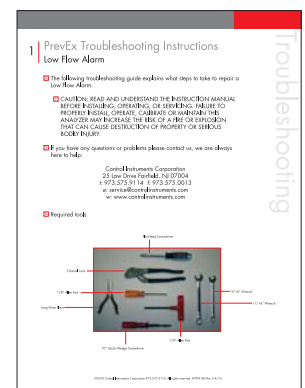
The Company chose to buy one PrevEx analyzer to see how it would perform. They immediately saw the time and cost benefits of the new system: quicker response time, stand-alone independent system that required no controller or associated wiring, automatic calibration eliminating manual adjustments as well as predictive maintenance & on-board diagnostics for easy troubleshooting. After this successful installation the Company chose to purchase several more.

For more information about upgrading older LFL analyzers to achieve cost savings, please contact us.

PrevEx® Troubleshooting Guide

Control Instruments brings you the latest "PrevEx Troubleshooting Guide". This guide

is an easy-to-follow, step-by-step pictorial guide to help you through the most common problem: LOW FLOW. It can be downloaded from the Manual & Product Guides section of our web site, www.controlinstruments.com.



People on the Move at CIC

Xavier (Jay) Sanchez, our Service Technician has obtained the Delaware Valley Safety (DVSC) Card for access and servicing our equipment to any Plant that is part of the DVSC – this includes member companies from the petrochemical industry like Sunoco, ExxonMobil, Johnson Matthey, NuStar Energy, and Valero, to name a few. Congratulations to Jay!

▪ CIC Service Obtains TWIC Card for Port Service

Steve Menta, our Service Manager, has obtained a TWIC (Transportation Workers Identification Credentials) Card for on-site access and servicing of our equipment to any Plant that is part of a USA port. Please call our Service Department to schedule on-site PM service.





A Newsletter from the CIC Service Department

Service Contracts & Spare Parts

Preventative Maintenance Service Contracts

Control Instruments service technicians will come to service & evaluate your current equipment and installations to make sure they meet the standard codes. It may make sense for you to have us perform even routine equipment maintenance. Many of our customers have found that this is the most cost-effective method, because it gets the job done while allowing plant personnel to focus on other tasks.

This service includes:

1. Evaluate current equipment and installation to make sure it meets latest code.
2. Calibrate, test functionality of equipment.
3. Check set points (warning levels, danger levels, sensor current, etc.)
4. Test "tie-in" to process controls when possible (when was the last time you performed a live test?)
5. Perform routine maintenance. Replace consumables.

Make sure you're safe! Call us today at 973.575.9114, or fill out a service request online, to schedule your PM Visit.

"Off-The-Shelf" Program

In the event your monitoring system needs emergency repair, our field service people are committed to providing you with the best customer service available. Control Instruments is now offering a program that will allow you to get 24-hour turnaround on the replacement of old FFA/FTAs with the PrevEx Analyzer. This will minimize downtime of non-working analyzers & since the PrevEx uses existing FFA/FTA utilities it can easily tie in to your existing installation.

So, if your process is down, no need to worry, you can get up and running in a quicker time than it may take for a technician to get through security at the airport. Just ask about our "off-the-shelf" analyzer!

For more information, call Steve Menta, our Service Manager at ext. 136.

Order Online

Visit www.controlinstruments.com/orders to buy your spare parts and experience:

- No Hassle Ordering
- 24-hour Service
- Fast Delivery
- Secure Checkout

Available for PrevEx, FFA, FTA, SNR650, and SmartMaxII Analyzers.

Spare Parts Packages

The Service department is now offering a special selection of spare parts, containing everything you could possibly need for any of your Control Instruments Analyzers! It comes packaged together in a convenient customized case, which allows for easy re-ordering of replacement parts. Contact Maria Nichols at 973.575.9114 ext. 104 or mnichols@controlinstruments.com for more information.



Menta's Musings

Service Tips from
Steve Menta

The PrevEx Flammability Analyzer uses a sensing flame to measure the lower flammable limit. This flame is controlled by two systems, a fuel delivery system and an internal fuel system. It's important to keep these systems regulated and clean in order to avoid a drift in readings. If you are having issues with zero drift or inaccurate readings the following might be the culprit:

⚠ Please use extreme caution when working on fuel systems, fuel is flammable.

Fuel Delivery System

1. Check the fuel pressure at the supply cylinder (40 to 45 PSI). A change in line pressure, like a fuel tank running low, will cause a drift in readings.
2. Check the integrity of the fuel delivery system. Make sure there are no leaks in the fuel lines to the PrevEx by doing a pressure test or simple leak check solution.

Internal Fuel System

1. Check to see if the flow restrictor is dirty. This can occur because of poor grades of fuel or a dirty fuel delivery system, if you find this to be the case, replace the restrictor (SNP374).

⚠ To use fuel safely the inlet fitting on the PrevEx is also a flow restrictor. Never remove or modify or run the PrevEx without this fitting present.

2. Check the internal fuel lines using a leak check solution. Tighten any lines and fittings that may be leaking. Be sure to test for leaks around the screws and diaphragm of the internal regulator. If the regulator is suspect, replace it (PRV058R).
3. Check the restrictor in the internal flame chamber that the burner tip is attached to. It is rare that this part needs to be changed due to contaminants. Be sure to check for leaks at this fitting.
4. Check to see if the burner tube is dirty. Replace if suspect (BRN018).

