



# Applications



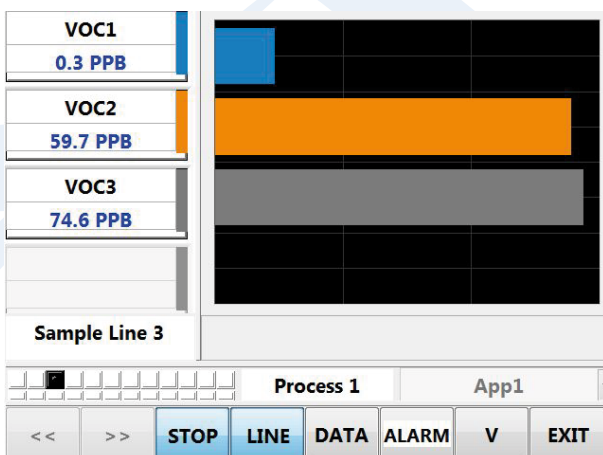
> Automated industrial process monitoring:

Real-time monitoring of selected VOCs in production environments, chemical plants and factories



## PTR-MS

- > Market-leading real-time sensitivity
- > Results in milliseconds
- > Customized solutions
- > Individual software packages
- > Flexibility for OEM integration
- > Multiple sampling points (multiplexing)
- > Robust and user-friendly



Find out more:  
[www.PTRMS.com](http://www.PTRMS.com)



**IONICON**  
 ANALYTIK

## THE IONICON VOC MONITORING SOLUTIONS

### > Low cost per sampling point

Due to very low detection limits (< 1 pptv) and the ultra fast sampling and detection system (response time < 100 ms) we are able to monitor different sampling points with one instrument in a very short time per measurement cycle.

### > Modular software

Our in-house software department develops software solutions according to your individual monitoring needs. We have a modular system software that fulfils your requirements in terms of controlled substances, cycles, sampling points, alarm settings and triggered actions. One-button operation using a touchscreen display and data interfaces facilitate the integration into existing monitoring networks.

### > Scalable solution

IONICON inlet solutions are based on our customers' requirements for measured species, sampling points, sample line lengths and the desired sampling frequency. Therefore we can provide a wide range of solutions for small to very large plants and for one or for many sampling points/lines.

### > Custom multiplexing solutions

The IONICON engineering department has experience in designing customized multiplexing solutions based on your needs. Different valve and layout options are available depending on the number of sampling ports, the gases to analyze, length of lines and other criteria. We can create an integrated solution for your application.

### > User-friendly

Our instruments are software controlled in order to auto-check their performance and auto-calibrate for the specific monitoring task. The touchscreen user interface is kept very simple and displays a clear overview of necessary information to keep workplaces and your plant safe.

### > Optimized for fast maintenance

The PTR-MS technology does not require any expensive gas, water flow or compressed air to work and our engineering focuses on accessibility of critical parts. Thus the operational costs and maintenance needs are low compared to other systems. A structured service plan with distinct maintenance intervals allows our customers to calculate operational costs.

## USER-INTERFACE - SOFTWARE

The screenshots below show an illustration of a preconfigured custom VOC monitoring solution, based on the IONICON PTR-QMS 300 instrument - a small and sensitive benchtop PTR-MS instrument. Multiple components are tracked and/or multiple sampling points are continuously monitored. Alarm levels can be set and different layout options are available. Results are displayed immediately at the built-in touchscreen.

