

Monitoring of Odors

Most of ambient air monitoring stations is measuring concentration of pollutants with direct, or indirect impact on human health and natural environment.

Inconvenient odors may be caused by different trace pollutants. Human nose is more sensitive for those than most of the analyzers. It is also not necessarily correct that odor feeling caused by several “odor pollutants” would add up.

Instruments to determine odor effect of a certain gas sample are called olfactometers.

Portable, mobile or on-line stationary odor monitoring analytic instrumentation is interpreting the gas detector information in terms of odor units. Proper interpretation is periodically “calibrated” by using olfactometers.

SM100 Infield Olfactometer



- Conduct daily odor emissions monitoring of industrial operation
- Determine odor source contributions
- Evaluate odor emission impact on neighbouring residents
- Determine odor mitigation effectiveness over time
- Monitor emission compliance
- Verify lab results and dispersion model predictions
- Conduct Panelist Screening

SM100i Intelligent Personal Olfactometer



The Scentroid SM100i, Intelligent Personal Olfactometer represents the next evolution in personal olfactometry. This automated olfactometer can conduct full odor analysis including YES/NO and Hedonic Tone test modes in full accordance to the international EN13725 standard.

SC300 Portable Olfactometer



- Conduct on site odor measurement
- Determine Odor Concentration in OU/m³ per EN13725 Standard
- Conduct Hedonic Tone assessment of odor emissions
- Conduct panelist training and N-butanol screening

SC300-P Scientific Olfactometer



Scentroid SC300-P (Scientific Olfactometer) is a specialized multi-sensory olfactometer with EEG and FNIR capabilities for advance psychological and physiological research and treatment. The SC300-P has been used by researchers and doctors to research and treat a variety of disorders including Post Traumatic Stress disorder.

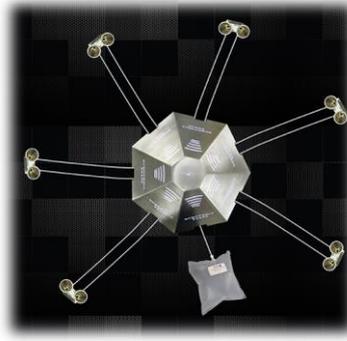
SS600 Laboratory Olfactometer



- Determine Odor Concentration in OU/m³ per EN13725 Standard
- Conduct Hedonic Tone assessment of odor emissions
- Conduct panellist training and N-butanol screening

SS400 Portable Olfactometer

SS400 PORTABLE 6 STATION OLFACTOMETER



Scentroid SS400 olfactometer is an advance mobile 6 station portable olfactometer. The Six Station Portable Olfactometer SS400 is used to assess odor concentration from a sample using 2 presentation modes (Binary or Yes/No) by fulfilling the requirements of the EN13725 and VDI 3881 standards.

- Odor analysis to all standards
- Portability without compromise
- Portable air supply unit

SL50 Scentinal



Scentinal provides ambient odor emission monitoring based on high accuracy (ppb level) detection of odorous gases such as H₂S, Ammonia, VOCs, and SO₂. The flexible intelligent station allows live monitoring of plant emissions on Scentroid's cloud servers. Odor emission is reported in OU/m³ based on correlation determined based on periodic measurements using field olfactometry.

- Flexible sensing and modular design
- Self-configuration for plug and play installation
- Time synchronized readings

DR1000 Flying Laboratory



The Scentroid DR1000 can be used to sample and analyze ambient air at heights of up to 150 meters above ground level that was previously impossible to accomplish. Air quality mapping, model verification, analysis of potentially dangerous sites are all made possible by this novel innovation.

- Sampling from hazardous sources
- Direct flare plume sampling
- Continuous chemical monitoring
- Above 30 chemicals
- Dust monitoring
- Thermal imaging

DR300 Flying Laboratory



Scentroid DR300 Sampling drone adds a new dimension to air sampling. The DR300 Sampling drone can be used to sample ambient air at heights of up to 125 meters above ground level or directly sample from stack plumes. Height sampling and direct plume sampling opens a new avenue that can be used to increase accuracy of emission and impact assessment.

- Sampling from hazardous sources
- Direct flare plume sampling
- Continuous chemical monitoring

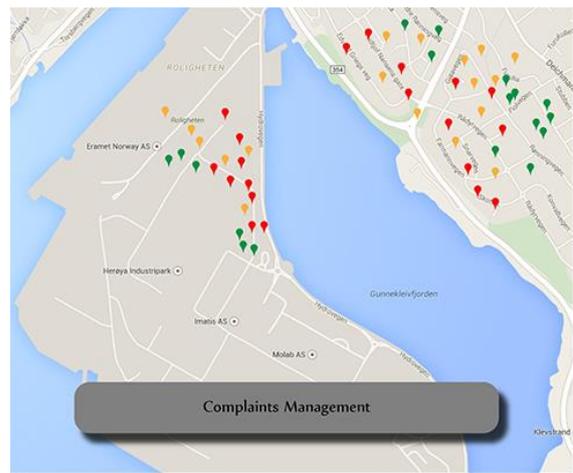
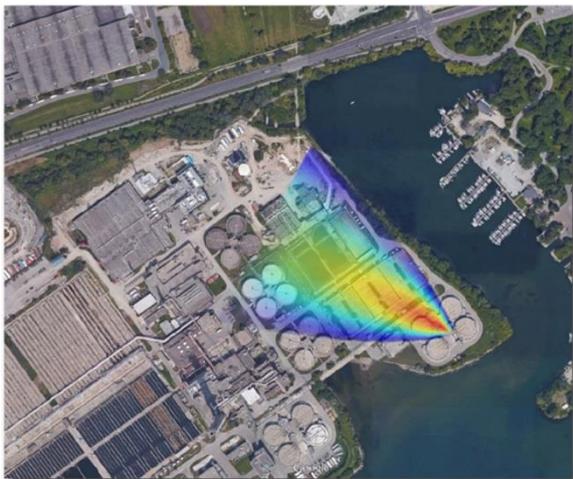
Analyzer vigi e-nose



- Isothermal gas chromatograph
- Automatic calibration/validation of the data, with embedded permeation tube for sulfurs
- Continuous monitoring with automatic online sampling
- Extremely low maintenance
- Intelligent system with tunable and interactive alarm levels
- Monitored compounds are: H₂S / SO₂ / MM / EM / DMS / DMDS / DES / Total VOC / TBM / NPM / 2BM / IBM / NBM / THT / IPM
- In accordance to standards: ISO 19739:2004, DIN 51855/7, ASTM D 7493-08, EN13 725 / ASTM 679-E04

The vigi e-nose is the first analyzer able to track VOC & Sulfurs at ppb/ppt levels. It is more sensitive than human nose. It is an auto GC (gas chromatograph based) with specific detector for sulfurs and VOC.

TOMS (Total odor management system)



TOMS offers a complete, integrated suite for odor management. The system provides a perfect integration of real-time odor impact estimation with management of odor complaints from neighboring residents. The simple to use software uses field-olfactometry and live weather data to produce real time odor plumes showing you exactly the location and amount of your odor emission. Complaints are automatically logged and compared to odor emissions for fast and efficient validation.

For detailed information on solutions of your interest we are gladly available:

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