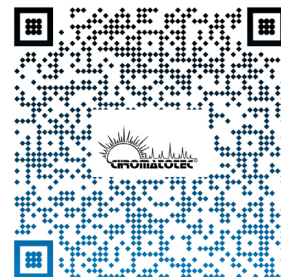
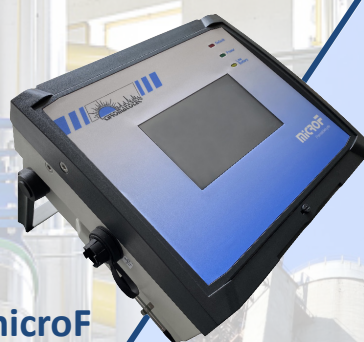


Portables analyzers and detectors

Moisture - VOC - Formaldehyde - 4WAYS Sampler



microVOC



microF

4WAYS



DET H2O



*Public buildings occupational exposure verification - Industrial hygiene measurement -
Chambers tests studies - Material emissions quantification - Building management - Medical Studies -
Aqueous solutions analysis - Concentration levels continuous monitoring*

4 WAYS Sampler:

Portable and automatic multitubes air sampler

4WAYS sampler on site sampling

4WAYS is a portable serial automatic air sampler which allows to program sampling sequences with fast implementation in every environment. Temperature and relative humidity monitoring.

- Air inlet quick external connectors
- Integrated circuit purge to clean the system
- External 7 µm particulate air filter
- **DNPH tube with adaptator for HPLC analysis**
- Standard tube for sampling
- On battery power

Secured & controlled sampling

- Secure carrier case
- Tube locking technology preventing sample loss and ingress contaminants
- Constant flow sampling provided by an integrated mass flow controller
- External flow control possible



Accurate, portable and user friendly analyzers

microVOC analyzer

microVOC is a compact and portable GC PID for BTEX/ VOCs analysis which allows continuous and real-time qualification and quantification of Benzene, Toluene, Ethylbenzene, Xylene and other VOCs on demand. Continuous and real time monitoring.

- Low consumption of carrier gas
- Calibration from gaseous BTEX mixture or only Toluene
- Short time of analysis : 10 minutes
- **THT, Methanol, Ethylene Oxide...**
- On battery power
- Down to 10 ppt with trap or 1 ppb with loop

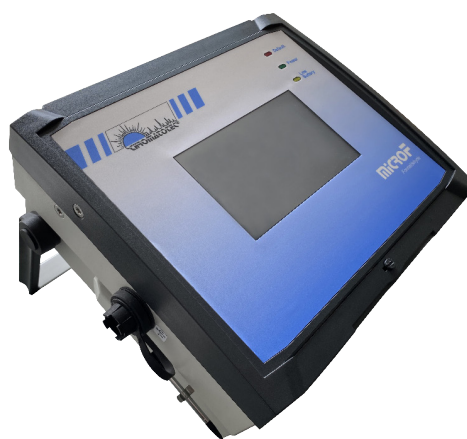


microF analyzer

microF is a compact and portable Formaldehyde analyzer which allows continuous and real-time qualification and quantification of Formaldehyde (HCHO).

Continuous and real time monitoring. Temperature and relative humidity monitoring are included.

- No carrier gas
- Calibration from gas/liquid formaldehyde solution
- High filters lifetimes due to low air sample flow rate
- Low reagent volume & quantity of air sample are required
- Real-time and continuous measurements
- Time resolution down to few seconds
- On battery power
- Down with 1 ppb LDL



User friendly solutions

- Compact size and low weight
- Deployment in less than 5 minutes
- Powered by mains or battery
- Rapid calibration
- Compatibility with canisters and FLEC® System

Analysis programming, monitoring & data logging

- Color touch screen with standard/expert users modes
- Sequence programming
- Results in near real-time

DET H₂O: Electrolytic moisture monitor hygrometer

Between 30 ppb and 5000 ppm (v) H₂O.

Trace moisture probe for the measurement of humidity in chlorine (Cl₂), in pure gases including gases with more than 30% oxygen (O₂) or hydrogen (H₂), as well as in medical air and gases in agreement with pharmacopoeia (monograph 1238 «Medical Air» - 737-3 standard of the European Pharmacopoeia).

The measuring principle is based on Faraday's law of electrolysis and does not require calibration, however the cell reactivity can be validated by internal device.

This electrochemical measurement method gives very precise values (scale of 0,5ppmV) and between 0-10 or 0-1000ppmV, even in ppb according to the specificity of the request.

*These sensors can be integrated into our product line or **can be sold alone**. Can be configured with the Vistachrom supervision software and integrate alarm management. The analyzer is available both as process or portable version, with an inbuilt pressure reducer.*

Moisture monitoring in Chlorine and corrosive gases

The chlorine DET H₂O is based on electrolytic analysis for water traces measurement in chlorine. It controls all conditioning functions for analysis such as pressure and flow controls, measuring sensor validation device and inert gas purging.

Usually installed in non-corrosive area or in control room, the chlorine DET H₂O control unit is linked to the analyzer sensor by a standard two wires cable, maximum loop length is 2 Km. The chlorine Moisture Monitor range, alarm threshold points and other parameters are programmed via integrated key-board with digital read-out.

- portable with battery power
- fix online and ATEX in option

European Pharmacopoeia and medical gases

Our moisture monitor the DET H₂O offers continuous moisture detection and monitoring in medical and pure gases such as O₂. According to the monography n° 1238 « Medical Air » of the European Pharmacopoeia, the highest admissible water amount for an air qualified of « breathable » is of 67ppmV (dewpoint at -45°C). Medical air (composed of 22% of oxygen and 78% of nitrogen) is used as a carrier gas to dilute anesthetic substances such as Nitrous oxide.



Moisture in pure H₂

AMERICA / US
CHROMATOTEC Inc.
Houston - USA

EUROPE - AFRICA - MIDDLE EAST
CHROMATOTEC Europe
Bordeaux - FRANCE

ASIA - OCEANIA
CHROMATOTEC Asia
Beijing - CHINA