

# Le Bulletin

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## Exhibitions 2011

[POLLUTEC 2010 - France](#)  
Lyon Eurexpo  
(30 nov. - 3 dec. 2010)

[ARAB LAB 2011 - UAE](#)  
DUBAI - Dubai International Convention and Exhibition Centre  
(7 - 10 March 2011)

[GASTECH 2011 - The Netherlands](#)  
Amsterdam RAI  
(21 - 24 March 2011)

[CIEPEC 2011 - CHINA](#)  
China International Exhibition Center, Beijing  
(7 - 10 June 2011)

[A&WMA 2011 - ORLANDO, FLORIDA USA](#)  
Coronado Springs Resort  
(21 - 24 June 2011)

[CEM 10th International Conference and Exhibition on Emissions Monitoring - The Czech Republic](#)  
Corinthia Prague Hotel - Prague  
(5 - 7 October 2011)

[POLLUTEC 2011 - FRANCE](#)  
Paris Nord Villepinte  
(29 Nov. - 2 Dec. 2011)

## Total hydrocarbons : THC & BTEX Discover more about our ChromaTHC

The ChromaTHC is a ppm range methane and non methane total hydrocarbon (THC) analyzer which uses flame ionization detection (FID).

It is a continuous online fully automatic gas chromatograph with a cycle time of only 1 minute and an extremely low detection level.

Whether it is used in an ambient air, emission, industrial hygiene or pure gas application the ChromaTHC consistently delivers accurate, reliable results with unattended operation 24/24.

Furthermore it can be installed together with our airmoBTX FID or airmoVOC C<sub>6</sub>-C<sub>12</sub> FID to provide an extremely versatile system that can measure total hydrocarbon concentration and also the concentrations of specific VOCs of concern such as Benzene, Toluene and Cyclohexane.

Large cost savings can be achieved with a combined installation. The ChromaTHC can use the airmoBTX's internal computer and both analyzers can share the same hydrogen and pure air supply (supplied by our Hydroxychom and airmoPURE gas generators).

## Technical workshops

The "Sulfur day" that we organized on October 7, 2010 at the Maison d'Aquitaine in Paris gathered professional and specialists interested in the on line analysis of sulfur compounds by gas chromatography.



On this particular occasion and as a French manufacturer expert in gas analysis, we were pleased to present our **chromaS** and **TRsMEDOR** systems.

A similar day will be held in 2011 as well as a day dedicated to the topic of VOCs.

Hall 10 Path N



Booth 65

## News in China

### Technical support for Asian countries

Ms. Céline CHONG, Chemist, Engineer, Trilingual French, Chinese, English, has been engaged as Technical Support by Chromatotec Group. She will go to China this December and work in our Beijing office for one year. Ms. CHONG will work together with our distributors in China, Japan, Korea etc. to provide technical demonstration and services to end users in Asia.

### FID airmoVOC certification from Republic of China

On 18<sup>th</sup> Aug. 2010, our airmo VOC C<sub>2</sub>-C<sub>6</sub> / VOC C<sub>6</sub>-C<sub>12</sub> analyzers (Ref. N° A52022) were certified by China National Analytical Instrument Testing Centre according to the Law on Metrology of China and relevant regulations. (PA N° 2010-C212)



## Water quality monitoring: the airmoPURGE

### Why measure volatile organic compounds (VOCs) in water?

Water quality is one of preoccupations of all populations. Water is a consumer good and its control is a necessity. Chromatotec has developed a new option for this market: the "purge". This solution is in compliance with US Environmental Protection Agency method 502.2



### Chromatotec's airmoPURGE.

### Purge & Trap cabinet

This instrument extracts ("purge"), concentrates ("trap"), detects and quantifies VOCs after speciation thanks to the column.

The airmoPURGE solution is installed in a 33U cabinet and analyses 21 compounds from C<sub>6</sub> to C<sub>12</sub>. The linear range is 0.5 to 20 µg/l and the method detection limit for BTEX is 0.05 µg/l.

Data are stored on the hard disk of the integrated computer. Our Vistachrom software controls the analyzer and presents the results.

The oven and the permeation tube allow unattended auto-calibration of the analyzer.

## Gas chromatography and Metrology

AFNOR Editions regularly publishes articles gathering standards and regulations on sectoral sets of themes, as far as we are concerned : Industrial equipments Metrology - Manage and control measuring equipments.

We signed a contract with this organization for the writing on an article entitled "Gas chromatography and Metrology". As a manufacturer of measuring instruments, metrology is our core business. It addresses two main points :

- 1- metrology as a manufacturer which requires us to calibrate the various sensors/detectors and the instruments themselves
- 2- metrology for customers, which requires us to give our customers the means of validating their results and of calibrating their analyzers. For this reason we provide them the procedures for good analysis practice

## Continuous, On-line Total Sulfur analyzer

A new application is currently being validated for the measurement of Total Sulfur.

This application has various uses such as industrial hygiene or sulfurs in combustible batteries.

This analysis is a development of our analyzer for sulfur compounds, chromaS. It uses a specific detector for sulfur, the FPD detector (Flame Photometric detector) and enables on-line continuous measurement of Total Sulfur in pure air.

Standard analytical range : 1 - 20ppb  
Low detection limit : 1 ppb

## MCerts Certification

CHROMATOTEC currently has two systems in Great Britain for which tests are being conducted in line with the requirements detailed in EN 14662-3:2005 - Ambient Air

Quality-Standard method for the measurement of benzene concentrations-Part 3 Automated pumped sampling with in situ gas chromatography.

The systems elected for this certification are

- airTOXIC with PID detector
- airmoVOC with FID detector

## New Design of our web site

Responding to comments from our business partners and distributors' opinion, we have given our Website a "breath of fresh air" with a new design. We hope you will appreciate it !

Do not hesitate to visit it by clicking [www.chromatotec.com](http://www.chromatotec.com)



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