

Customer care : from 9 am to 6 pm, we are at your disposal for service gas analyser / software / computer / maintenance and calibration.

Please send your email address for receiving our News to info@chromatotec.com

Chromatotec Bulletin

Issue – April 2005

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EnergyMedor in the world

For more than 30 years our company has been selling Medors systems for the detection of the H₂S, mercaptans, THT compounds in natural gas at a very low level (ppb- ppm). More than 1000 instruments have been sold on each continent.

Two Applications

- **Ppm detection (Ref 41000)**: H₂S, mercaptans and THT to analyse the odour of the gas with the ability to have total organic sulphur calculation.
Installation In a metering station.

- **Ppb detection (Ref 42000)**: H₂S Mercaptans: Quality control of natural gas

Customers

PSEG, PGE, Peoples Energy , Gaz de France, Enagas, Kogas, Ruhrgas are part of our customers.

EnergyMedor : technical specifications

It is a **very simple** GC that uses a **unique specific detector** that is specific to the reduced sulphur detection (H₂S, mercaptans...)

Uses a 10-port valve and a sample loop (depending on the concentrations to be analysed).
Uses packed columns for the separation of the natural gas sulphur compounds.

The EnergyMEDOR is industrial, customer orientated, **rugged and simple to use** with very little maintenance.

Its sensitivity allows it to detect as low as 0,1 ppm of H₂S in natural gas and up to 100 ppm (direct injection of the loop).

The EnergyMEDOR has the **data validation in option** and does 0,1 ppm as the lowest detectable range M41 for PPM and M42 for PPB but needs no pump as the natural gas is pressurized.

EXHIBITIONS 2005

CIEPEC BEIJING 2005
7th – 10th June 2005
 CHINA INTERNATIONAL EXHIBITION CENTER
<http://www.chinaenvironment.com/ciepec2005>

IGT CHICAGO
25 – 27th July 2005
<http://www.Gastechnology.org>



EnergyMedor Cabinet with multiplexer



Inside view of EnergyMedor (Ref M42000)



EnergyMedor 4U (Ref M41000) and its supervisor 5U (Ref XXX015) in two racks

Occupational hygiene PID Detection

With the implementation of new rules on Environnement in 2005, a **turnkey system** for the personnel safety has been achieved for an important petro-chemical system .



The goal is to analyse the benzene and the benzene/butadiene in two different workshops with a shorter time cycle (analysis time) and the most lowest possible detection limit.

Our double detector system allows :

- to analyse the total VOC (PID type without columns with an integration of the detection limit)
- to analyse the total VOC on a long cycle in case of overrun with separation (valves, columns, detectors...)

The system consists of our latest **pressurized box** in order to use it in a secure area and to meet the latest ATEX norms.

Associated to this Eexp box, our complete double detector system allows to communicate digitally with the customer software system.

epsiVOC product

Thanks to our experience (more than 15 years) with our FID analyser, our company introduces its latest equipment for the total VOC continuous measure (heated detector, pump...) : **epsiVOC**

Hot sampling and technology integration of our FID. That allows to have the better quality –price ratio on the market.

Our **epsiVOC** model, integrated in a water proof box or in a 19" allows to obtain continuous results and a great accuracy.

The ppm or % application allows to meet 100% of the ambient air and process market demands .



epsiVOC (Ref 11000) 3U Version

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BTEX analysis system with a photo ionisation detector Edges of the airTOXIC PID system (Ref A74000)

- Continuous **control** and correction of the **drift** intensity
- Automatic **cleaning of the lamp**
- **Integrated operating system software**
- No flame, only **N₂** used
- **Option** : a calibrator as well as a nitrogen generator can be included in the analyser
- Self calibration with result storage and calibration history
- Electronic and LCD display included in the airToxic.



*AirToxic 5 U (Ref A74000) with
electronic and LCD display*

Option XXX022 : Integrated computer to our analysers

- **Some of our systems are now available in version "integrated computer"** (including our VISTACHROM software) for example : our airTOXIC (see picture above).
- In front panel there is a **color flat screen LCD**.
- The monitor is inserted in a **19" unit** (height : **5 U**, depth 660 mm).
- Are included USB connector and CD ROM Writer

Chromatotec Markets

Our group allows to propose global solutions in order to meet each requirement of our customers in the sectors of :

- ✚ **ambient air**
- ✚ **natural gas**
- ✚ **emission**
- ✚ **process**
- ✚ **industrial air**
- ✚ **technical gases**

H O U S T O N