

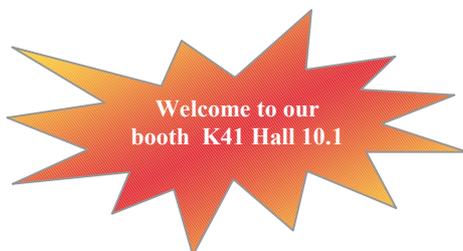
Customer care : From 9 a.m. to 6 p.m., we are at your entire disposal for service gas analyzer / software / computer/ maintenance and calibration.

Chromatotec Bulletin

Issue – May 2006

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SUCCESS OF OUR BTEX ANALYSERS

Our **airTOXIC BTEX PID** as well as our **airmoBTX with FID detector** both achieve great success worldwide with increasing market shares in Europe and in the Middle East.

CHROMATOTEC proposes you two certified models with **in-built computer and calibration included** for your BTEX measurements based on **two different technologies**:

airTOXIC with PID detector (CNR Certification)

- edge of the system: **auto-cleaning of the lamp and 1 gas is needed**

airmoBTX with FID detector (TÜV certification)

- Edge of the system: visualisation of a **larger range of hydrocarbons**

Advantages of both instruments:

- High sensitivity
- High linearity
- High stability
- Auto-calibration , high precision



airTOXIC inside view

We will be glad to meet you on our booth **K41, Hall 10.1** during the **ACHEMA Fair** from **15th to 19th May** in **Frankfort am Main** for showing you our latest developments.



MEDOR applications

The **M E D O R** range of **CHROMATOTEC** analysers is mainly dedicated to sulphur compounds. Among the major demands we find:

- ➔ H₂S/MeSH
- ➔ Mercaptans
- ➔ THT
- ➔ DMS/DMDS
- ➔ Total reduced sulphur

These are not the only sulphur compounds the MEDOR technology analyses, for instance **COS**. The **COSMEDOR** has the particularity to use a specific wet cell for the detection.



The MEDOR technology is also used for other compounds such as **chlorine (Cl₂)**.

Increasing regulatory pressure has produced great interest in monitoring for chlorine in:

- stacks
- ambient air
- process streams

The **environmental concerns** related to Cl₂ are an important factor. It is toxic and corrosive and often considered to be a dangerous compound. These concerns have pushed desired detection limits to low PPM and in some cases PPB levels.

Our **MEDOR Cl₂** is a gas chromatograph dedicated to Cl₂ analysis. Like many of **CHROMATOTEC** models it is available in the in-built computer version.

In addition to Cl₂, the MEDOR Cl₂ (Ref M12022) can analyse H₂S. Moreover Cl₂ analysis is proposed as an additional compound in the airMEDOR instrument (Ref XM1200).

Send us your emails to receive our News every two months



airMEDOR ppt
"More sensitive than human nose"



The analyser airMEDOR PPT has recently reached extremely low levels of sensitivity, beyond human olfactive perception!

The challenge of one of our latest applications was that the airMEDOR would be able to detect sulphur compounds before it would be detected by a human being.

This kind of application is to improve air quality around places that produce bad smells such as waste water stations, waste compaction stations, paper industry from wood,...

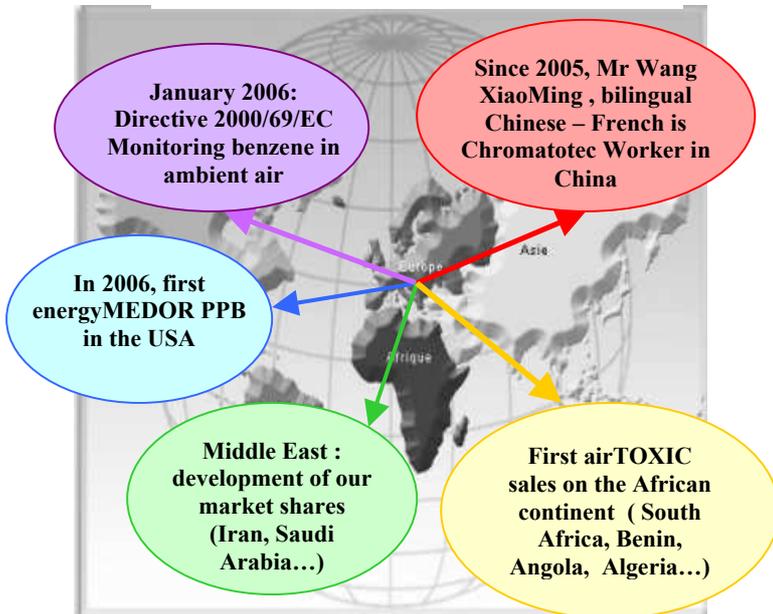


Waste water station



Waste compaction station

Just a few words on...



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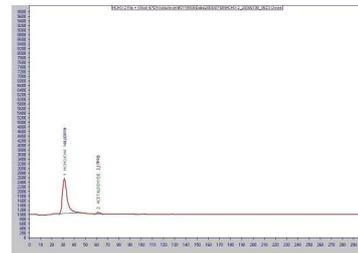
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Formaldehyde and acetaldehyde application in air and pure gas

- Precise measurement at low levels (PPB level) with our **airmo HCHO** with **FID** detector
- Applications : **health and safety monitoring** (CO₂ quality for beverage and food industry), **screening, indoor air quality**
- Analysis after **methanization in PPB range** with **calibration** as recommended option
- **Total cycle time** : 15 minutes



Modbus / JBus – MGS1 Protocols

Software package dedicated to a **bidirectional communication** between the computer and the datalogger by a **RS232 connection**.

This communication protocol allows visualizing the **results remotely** and it is a useful tool for statistics and **trends**. This protocol allows transferring data, commands, status and errors.

New developments

Chroma S linearization

For a **Flame Photomultiplier Detector**, the signal is **not linear in relation to the injected quantity**. So we have integrated a **software correction** for every component:

- **H₂S/COS/SO₂/CS₂**

The linearization consists of an **information technology system** that allows **compensating the non-linear response** of the Flame Photomultiplier detector.

Send your inquiry to info@chromatotec.com