

KEY PRODUCTS - GC 866 range

A full range of automated continuous and online gas chromatography analysers. The various models have the following features:

- 19" rack (4U or 5U)
- Data logger software
- Windows based data analysis program Vistachrom / Vistadetector
- Speciation

Natural gas - EnergyMEDOR® (H₂S / R-SH / THT / Sulfurs)



energyMEDOR® - Model M42022

Control of natural gas odorization during transportation is critical for civil security. EnergyMEDOR® with internal calibration. Analysis of H₂S, mercaptans and THT during a standard cycle with total sulphur calculation. LDL (H₂S) : 0.1 ppm, 5 ppb as option

⇒ Technical Data sheet M41

Ambient air and/or Industrial hygiene (Waste Water Plant) TRSMEDOR® (H₂S / R-SH / Sulfurs / SO₂)

To control the efficiency of the deodorizing process in a water treatment plant, the TRSMEDOR® allows quantitative and qualitative analysis of the various compounds: H₂S, Methyl-mercaptans, DMS, DMDS, SO₂. Calculation of TRS (Total Reduced Sulfur) with Vistachrom. LDL (H₂S) : 1 ppb / LDL (DMS): 0.5 ppb

⇒ Technical Data sheet M52 (ppb) / Technical Data sheet M54 (ppm)

Option ppt



Odour system - Model A53022

Industry and/or emission ChromaS (H₂S / R-SH / Sulfurs / COS / SO₂ / CS₂)



Dual flame photometric detector ChromaS - Model C51000

Due to the release of toxic compounds, for example during the cellulose cooking process in a paper mill, companies have to install systems to « clean » gaseous emissions. Efficiency of cleaning is monitored by installing 2 chroma S, one before and one after to analyze COS and H₂S.

LDL (H₂S) : 7 ppb LDL (CS₂ / DMDS) : 4 ppb

⇒ Technical Data sheet C51



MEDOR® Exp ATEX Ex II 3G Ex pz IIC T4



Internal or external computer; data collection with Windows XP embedded. Concentrations, TRS, TOS and status information (calibrations, streams, default analyzer) are transferred to a central control room. The analyzer comes in an Exp cabinet enclosure to meet hazardous conditions requirements.

⇒ Technical Data sheet M55



GC PROCESS Cabinet

Asia

Chromatotec Trading (Beijing) Co., Ltd.
Room 1806, Building 1,
Wanda Plaza, No.93, Jianguo
Avenue, Chaoyang District,
Beijing 100022 - CHINA
Phone: +86 (0) 105 960 3283

Europe

AIRMOTEC AG SAS
15 rue d'Artiguelongue
33240 SAINT-ANTOINE France
Ph: +33 (0)557 940 626
Fax: +33 (0)557 940 620

United States

CHROMATOTEC Inc.
18333 Egret Bay Blvd, Suite 270
Houston TX 77058 US
Ph: +1 281 335 4944
Fax: +1 281 335 4943

Ozone precursors - airmOzone cabinet

The airmOzone cabinet has been designed to analyze Volatile Organic Compounds from C2 to C12, also called Ozone precursors.

- PAMS: A52022-056
- Purge and Trap: A52022-502 / method 502-2 or 524
- TO14/PAMS: A52022-088

Air quality monitoring networks guided by national regulations: European directive 2002/3/CE advises the analysis of 31 VOCs, US EPA advises the monitoring of 56 VOCs (for Japan also alpha and beta-pinene (terpens)).

Option sulfur analysis

LDL (1,3 butadiene): 15 ppt / LDL (tri-methyl benzene): 10 ppt

➔ Technical Data sheet A11 and A21

BTEX - PID or FID

Ambient air quality measurements can be performed in urban or industrial areas. The compounds analyzed for these standard applications are: benzene, toluene, ethylbenzene, M, P and O-xylenes (5 peaks, 6 compounds).

Option 1,3 butadiene + styrene and cyclohexane

- airmoBTX, with flame ionization detector (FID): TÜV 1996 and CNR 2007 certifications

LDL (benzene) < 50 ppt

➔ Technical Data sheet A31-A34

- airTOXIC, with photo-ionization detector (PID): CNR 2006 certification and National US EPA tested and installed in 2008. Certification PA 2010-C123 by China National testing center. Certificate mCerts number: SIRA MC 130230/00 (2013).

LDL (benzene) < 10 ppt

airTOXIC VOC TO14-TO15

Chlorinated compounds + BTEX
Case study airmOzone TO14 (up to 40 or 60 compounds)



airmoTWA cabinet



airmOzone cabinet Model A52022



Gas analyser: airTOXIC GC866 Model A73022



Certified mCerts Name
European - EN 14662-3
- EN 15267-1
- EN 15267-2

	Specification for loop instrument	Detection limit	Data Sheet
chromaTCD He	TCD detector. For measurement of Ne / O2 / H2 / N2 / Ar	O2 / N2 ≤ 2 ppm	TSP C41
chromaArgon	TCD detector. For measurement of Ne / O2 / H2 / N2 / He	O2 / He / H2 < 2 ppm	TSP C41
chromaDID He	DID detector. For measurement of Ne / O2 / H2 / N2 / Ar	Ne / H2 ≤ 50 ppb	TSP C81
chromaCO	FID detector and methanizer for measurement of CH4 / CO / CO2	CH4 / CO / CO2 < 50 ppb in pure gas	TSP C11
airmoHCHO	FID detector and methanizer. For measurement of formaldehyde and acetaldehyde in pure gas (N2) or in ambient air Trap injection.	HCHO: 0.5 ppb	TSP A13
chromaFID	FID detector. Dedicated to VOCs and/or halogenated solvents such as: 1,2 dichloroethane, vinyl chloride. For the measurement of toxic compounds for emission, industrial hygiene or impurities in pure gas.	Benzene: 50 ppb	TSP C31
chromaPID	Photo-ionization detector: nitrogen or air is used as carrier gas. Main advantage: no flame therefore no hydrogen is needed.	Benzene: 20 ppb	TSP C91
chromaTHC	Equipped with an isothermal column for the measurement of VOCs in air (indoor and outdoor), industrial hygiene and in pure gas such as N2/CO2/O2.	CH4: 100 ppb NMTHC: 30 ppb	TSP C21 - C22
chromaS	FPD detector. For measurement of H2S / SO2 / CS2 / Mercaptans / COS / impurities in pure gas (CO2 / CH4...)	4 ppb for 2 sulfurs 7 ppb for 1 sulfur	TSP C51
TRSMEDOR®	Sulfur specific detector: nitrogen or air is used as carrier gas. For measurement of Total Reduced Sulfur / SO2 / DMS	DMS: 0.5 ppb	TSP M52