ONLINE ANALYTICAL SOLUTIONS EXPERTS

GAS ANALYZER GC 866

PAH

DIOXINE PRECURSORS

TO 14

NAPHTHALENE TO 15

FLUORENE

502.2/524

Auto GC-MS C6C20+ +DET QMS.

Transportable Ultra-compact Trap GC-MS / FID system

Turnkey solution for continuous analysis of Aromatic hydrocarbon compounds (PAH) BTEX and Dioxine Precursors from gas, liquid and solid sample

Certified
EN 14662-3
EN 15267-2
EN 15267-1
QAL1

mCERTS
THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

PA 2010-C212
2010

2006

TÜV
1996

airmoVOC C6C20+

Process Mass spectrometer

H_2 generator

N_2 generator

SCAN or CLICK ME

Main applications:

Ambiant air monitoring/ Clean room/
PET quality
impurities / contaminants qunatification
Odor/odorants quantification

Targetted compounds:

Molecules listed on Methods:
PAMS 56;TO14, TO15, 502.2/524
More than 100VOC

24 7 365 TURN KEY SOLUTION

For information, Polycyclic Aromatic Compounds: PAH, PCB, dioxins, furanes...

Chromatotec® is specialized in VOC, Sulfur and permanent gases analysis down to ultra trace levels (%, ppm, ppb, ppt). Please visit our website for more details

Updated: October 2025

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Turnkey solution for continuous analysis of Aromatic hydrocarbon compounds (PAH) BTEX and Dioxine Precursors from gas, liquid and solid sample

Description :

Auto GC-MS C6-C20+ is a combination of two robust instruments, airmoVOC C6C20+ expert and Process Quadrupole Mass Spectrometer (QMS), which allows quantification and identification of chemicals from % to low ppt levels : VOCs, SVOCs, PAHs and dioxin precursors from gas, liquid and solid sample.
Auto GC-MS C6-C20+ is delivered with gas generators and calibration system (in compliance with ISO 17025 for Benzene)
The analyzer is tested more than one week in our quality control department, then delivered and installed by our engineers. Once the instruments is set and running, the operators can easily control the air quality.
Vistachrom and MS software enable the users to view and store data on an industrial computer. It provides user friendly utilities to recalculate, calibrate, export data and to configure the measurement.

Configuration:

-airmoVOC Expert (with internal cooling and MFC for sampling and injector for liquid or solid
-Embeded PC with elctronic and LED dsplay with VISTACHROM.
-Mass spectrometer with pumps
-Hydroxychrom USB 4U(hydrogen generator) max.100 ml/min
-airmoCAL-CALIB with 3 permetion tubes(Benzene+2 others) supplied with zero/air/calib/cylinder.

Key points:

*Air monitoring by direct injection and in the Mass Spectrmeter or using gas chromatography
*Heated selection valve GC
*Solid or liquid analysis (Bisphenol-A, Methyl stéarate...)
*Automatic calculation of toxicity index /total aromatics for VOCs, SVOCs, PAHs and dioxin precursor.
*Inbuilt heated line for sampling
*Modem & remote control installed and configurated into the computer
Powerfull VISTACHROM and VISTAMS CHROMATOTEC software:
- Remote monitoring & injection control
- Full traceability with on board archiving of results and chromatograms
- QC setup and control of threshold alarms
- Data export by MODBUS / 4-20mA / 0-10 V
- Time stamp results with full traceability
- Valid results

Options:

- Onl-line results are tansmitted via MODBUS / JBUS or MGS1 communication protocol
- Analog output 4-20 mA or 0 – 10 V or alarms
- Multiple streams selector
- Purge and trap for liquid samples
- airmoCAL MFC for multipoint calibration

Technical specifications:

Detection limit:
- Benzene down to 10 ppt with Trap GC/FID/QMS
- Naphthalene 10 ppt or 0.05µg/m³

Detection Range:
- ppt to ppb
- 0.5 to 45 µg/m³ (mCerts tests) with direct injection with QMS: 500ppb to %

Relative Standard Deviation:
- < % over 48 h (RT)
- < 3 % over 48 h (Conc)

Cycle time:
- 30, 60, 90 or 120 minutes (depending on applications)

Results:
- Data storage (timestamp)
- 4-20mA current output (option)
- MODBUS / JBUS or MGS1 communication protocol (option)

Supervisor:
- Embedded computer Windows® based with LED display
- 64 GB of Hardware storage on SSD memory

Gas supply:
- H2 (FID and carrier gas): 50 ml/min (inlet 4 bars; 1/16'' swagelock)
- Air (FID): 350 ml/min (inlet 3 bars; 1/8'' swagelock)
- Sample inlet (vacuum pump) 1/8'' swagelock or by liquid injector

Power supply:
- Main (230 V / 115 V 50 Hz/60 Hz)

Electrical consumption:
- 1730 Watt maximum

Dimensions:
- 19'' cabinet: 1850 mm with wheels & lifting rings
- Width: 600 mm
- Depth: 800 mm
- Height: 1850 mm

CLICK HERE FOR ADDITIONAL DIMENSIONS DETAILS

To order:
Auto GC-MS C6C20+

Model:
A22022-MS

Chromatotec® is continuously improving its products, therefore these specifications are subject to change without notice

To contact us: sales@chromatotec.com

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