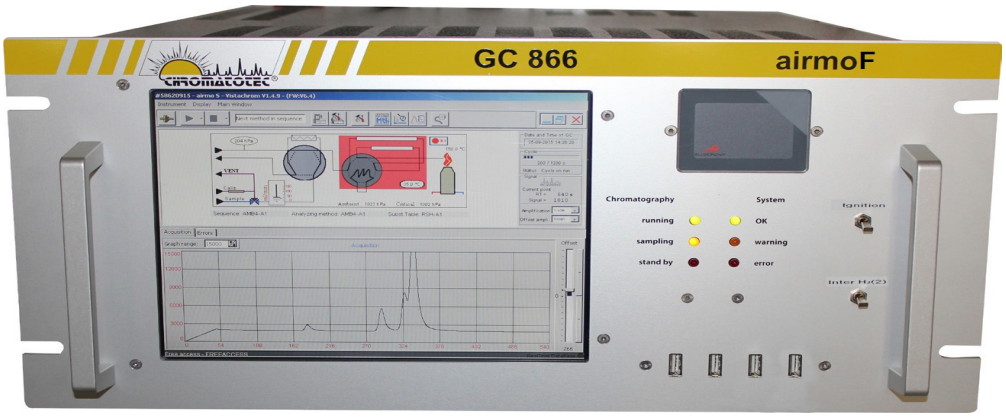
ONLINE ANALYZER SOLUTIONS EXPERTS

airmoF

Automatic Online Formaldehyde analyzer



Formaldehyde

Applications

Public buildings occupational exposure verification
Industrial hygiene measurement
Chambers tests studies
Material emissions quantification
Building management
Medical studies
Continuous ambient air monitoring

SCAN or CLICK ME

24 7 365 TURN KEY SOLUTION

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

Updated: March 2025

airmoF

Automatic online Formaldehyde analyzer

Principle

airmoF is an automatic Formaldehyde analyzer based on microfluidic Hantzsch reaction with a fluorescence spectrometry

- Continuous and Real time monitoring.
- Easy to use
- Labour saving
- Accuracy
- Highly sensitive
- Smart embedded software

Advantages

User friendly

- No gas cylinder needed
- No filter
- Low reagent volume & quantity of air sample are required
- Calibration from embedded formaldehyde permeation tube
- Compatibility with canisters and FLEC® System

Rapid & accurate measurements

- Online measurements
- Detection limit down to 0.1 ppb
- No interferences
- Gaseous concentration measurement

Analysis programming monitoring & data logging

- Color touch screen with standard/expert users modes
- Sequence programming
- Data logging for quality control
- Complementary computer software for efficient & easy data processing

Issued from anaVOC labcom between CHROMATOTEC and CNRS Strasbourg

- Innovation from CNRS & Strasbourg University

Options:

- Sampling teflon line (OD: 1/8"; L: 150 cm); Spanner (10 - 11 mm); Printed manual.
- 3G module
- Report'air : online measurement reporting tool
- CALIB

For ordering:
airmo F

Model:
A14022

Product technical specifications

Detection limit

- < 0.1 µg/m3 or <0.08 ppb

Detection range

- 0-400 µg/m3

Relative strandard deviation precision:

- Better then 3% over 48h

Cycle time:

- Cycle time : 20 minutes

Detection type:

- Detector : Fluorescence spectrometry (PhotoMultiplier)
- Temporal resolution : 5/h (20 min cycle)
- Condition : Gas T°: 5 - 40°C; Gas RH: 20 - 80%; Atmospheric pressure
- Calibration : Gaseous Formaldehyde from cylinder or embedded permeation tube.

Results on LCD:

- Data storage
- 4 or 8 x 4-20 mA or 0/10 V output option
- MODBUS RTU / JBUS or Bayern Hessen protocol

Sampling and Gas/ liquid supply:

- Sample flow: 250 ml/min
- Zero air or nitrogen : 250 ml/min
- Liquid reagent consumption: 30ml/day
- Supply connection : 1/8'' for gas

Instrument Supply:

- Power supply : Input 100 - 240V ±10%; 1.5 A max; 47 - 63Hz / Output 15V; 6.67A 100W
- Power consumption : max 75 w

General

- Rack 19'' version: Height 222mm, Width 482mm, Depth600mm, Net weight 15kg
- Operational conditions : 0 - 40°C / 20 - 80% RH
- Storage conditions : 0 - 40°C / 0 - 85% RH

Software & communication

- Expert and standard modes; Data saving; Analysis setting, launching and monitoring; Defects and maintenance management
- USB : Data transfer (aera, retention time, concentration)
- Ethernet : Communication and remote control

Accessories

- DNPH tubes and rings
- Particle filter, filter strainer
- 1 L reagent bottle, 1L waste bottle, 500mL water bottle with each storage and analysis caps with ferrules, bottle holder

CLICK HERE FOR ADDITIONAL DIMENSIONS DETAILS

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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