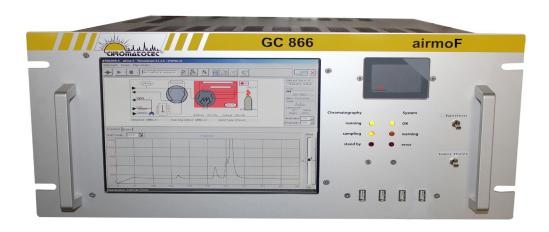


# **ONLINE ANALYZER SOLUTIONS EXPERTS**

# 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





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: December 2024

# 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**

•  $< 0.1 \mu g/m3 \text{ or } < 0.08 \text{ ppb}$ 

### **Detection range**

• 0-400 µg/m3

## Relative strandard deviation precision:

· Better then 3% over 48h

# **Detection type:**

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

#### <u>General</u>

- 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
- ŪSB : Data transfer (aera, retention time, concentration)
- Ethernet : Communication and remote control

# <u>Accessories</u>

- 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

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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