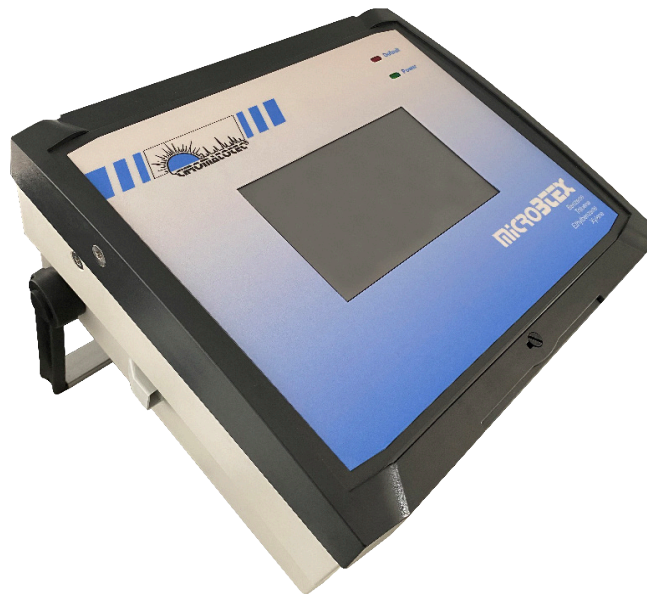


## microBTEX

Accurate, portable & user friendly BTEX analyzer



Model :  $\mu$ -BTEX-001

### Applications

Public buildings occupational exposure verification  
Industrial hygiene measurement  
Chambers tests studies  
Material emissions quantification  
Building management  
Concentration levels continuous monitoring

### Standards

IEC/EN 61010-1:2010  
EMC: NF EN 61326-1:2013



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: July 2021

Benzene

Toluene

Ethylbenzene

Xylenes

# microBTEX

Accurate, portable & user friendly BTEX analyzer



## Principle

microBTEX is a compact BTEX analyzer which allows continuous and real-time qualification and quantification of Benzene, Toluene, Ethylbenzene and Xylene.

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

## Advantages

### User friendly

- Compact size and low weight
- Deployment in less than 5 minutes
- Powered by mains or battery
- Low consumption of carrier gas
- Rapid calibration with gaseous BTEX mixture or only Toluene
- Compatibility with canisters and FLEC® System

### Rapid & accurate measurements

- Short time of analysis: 10 minutes
- Detection limit lower than 1 ppb for benzene

### Analysis programming, monitoring & data logging

- Color touch screen with standard/expert users modes
- Sequence programming
- Results in near real-time
- Data logging for quality control

### Issued from French academic research

- Innovation from CNRS & Strasbourg University
- Patented microfluidic device
- Supported by EU and innovation programs

## Options:

- Sampling Teflon line (OD: 1/8"; L: 150 cm); Printed manual
- Model PID in standard for BTEX and in option for VOC like methanol ETO, THT...
- Model TCD in option for H<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, CO, CO<sub>2</sub>, CH<sub>4</sub>...

## To order:

Micro BTEX

## Model:

μ-BTEX-001

## Product technical specifications

### Detection limit

- Benzene & Toluene: ~ 1 ppb
- Ethylbenzene & m+p-Xylenes: ~ 2 ppb (with default settings) / o-Xylene: ~ 4 ppb

### Detection range

- 0 - 1000 ppb

### Measurement

- Detector : PID
- Temporal resolution 0.1 seconds
- Response time : One measurement every 10 minutes (with default settings)
- Analysis condition : Gas T°: 5 - 40°C; Gas RH: 20 - 80%; Atmospheric pressure
- Calibration : Gaseous BTEX mixture or gaseous Toluene

### Sampling

- Method : loop of 200μL
- Gas flow rate : Few 10 to few 100 mL min<sup>-1</sup>
- Carrier gas : Nitrogen 1 - 4 bar (default setting 4 bar/ 2.5 mL min<sup>-1</sup>)
- Supply connection : 1/8"

### Instrument supply

- Power supply : Input 100 - 240V ±10%; 1.5 A max; 47 - 63 Hz - Output 15V; 6.67A 100W
- Battery life : Lithium-Ion / Autonomy > 4h (2x12 volt)
- Power consumption : max 75 w

### General

- Dimensions : 32x28x15 cm; 6.0 kg
- Operational conditions : 0 - 40°C / 20 - 80% RH
- Storage conditions : -20°C - +40°C / 0 - 85% RH
- Display : 7" TFT display; resolution 800 x 480; integrated touchscreen

### Software & communication

- Embedded software: 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

### Mobility and accessories

- Carrier case with handle and integrated pre-cut foam for accessories
- Power supply & cable; Particle filter; Filter strainer; Carrier case with pre-cut foam; 1/8" inox caps with associated ferrules; Analysis column; 58L Nitrogen bottle with adapted manometer; Teflon tube and associated ferrules for carrier gas; Spanner (10 - 11 mm); Stylus.

### Other feature

- Comptability : Canister & FLEC® system

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

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