

μ-chromaPID

Portable autoGC-PID lab-grade for the analysis and monitoring of Benzene and or other VOCs in ambient air or in pure gases as well as natural gas.



Scan or click the QR code for full product details.



Benzene

IAA

BTEX

Epichlorohydrin

MIBK

Portable Gas analyser GC 866

Model : μ-C91022

THT

TBM

Description

The μ-chromaPID is a portable autoGC-PID (Photo Ionisation Detector) for the analysis and monitoring of Benzene and or other VOCs in ambient air.

Different configurations exist depending on the application and concentration range integrated inside a hard foam case with battery.

Main applications:

- Time-Weighted Average: 1 ppm
- Short Term Exposure Limit: 5 ppm
- Natural Gas
- Field deployment for quick check

Targetted compounds:

- Benzene (TWA: 1 ppm)
- Iso Alcool Amines
- BTEX, Styrene, Cyclo-hexane
- 1,3 Butadiene, Iso-Propyl-Benzene (Cumene)
- Epichlorohydrin
- THT
- TBM

Main markets:

- Indoor / Outdoor Air quality monitoring
- Industrial hygiene
- Fence line
- Benzene in green house
- Refinery / Petrochemical site

Principle

- Automatic sampling using a loop
- Automatic loop injection on metallic capillary column
- Isothermal gas chromatograph
- Detection of all compounds eluting from the column performed by PID detector 10.6 eV.
- Self cleaning of the lamp for high stability

Key Points

- Continuous monitoring with automatic online sampling
- Analytical performances: Specific, linear and very sensitive to Volatile Organic Compounds
- Results validation by automatic standard injection
- Internal high-pressure nitrogen tank for more than 6 days of continuous operation. Rechargeable up to 124 bar
- More than 10 years data storage
- No cylinders required thanks to internal calibration tube and gas generators
- Powerful VISTACHROM LITE Chromatotec® software: Remote monitoring & injection control
- Full traceability with on board archiving of results and chromatograms
- 4-20 mA / 0-10 V

Product technical specifications

Designation	Specifications
Analyzer compound:	Benzene, THT, TBM and DMS
Detection limit:	<ul style="list-style-type: none">• Benzene, THT, and TBM : 6 ppb (ppb version) or 0.1 ppm (ppm version)• TVOC: 1 ppb
Detection range and linearity:	0.05 to 400 µg/m ³ for Tri-methylbenzene
Relative Standard Deviation	RSD < 0,3 % on retention over 48H RSD < 3% on concentration time over 48H
Cycle times:	10 minutes
Supervisor:	Embedded LINUX computer with VISTACHROM LITE
Communication:	Ethernet, remote control
Gas supply:	Nitrogen: 4 ml/min (inlet 3 bars; 1/8" swagelok) 15mL/min, sample inlet (vacuum pump) 1-4" swagelok Pneumatic valve : 90 ml/commutation
Operation Temperature:	Indoor and outdoor
Power supply	<ul style="list-style-type: none">• Main: 230 V / 110 V or 50 Hz / 60 Hz• Battery: 12V around 8 hours autonomy (depends on method use)
Dimensions and weight:	<ul style="list-style-type: none">• Height 410mm• Width 340mm• Depth 180mm• Net weight 5kg (approx) can vary depending options to be added



Options

- MODBUS RTU or TCP/IP communication protocol
- Separate nitrogen cylinder inlet to connect external source of nitrogen
- External calibration oven containing up to 6 tubes: benzene, THT, TBM, etc.
- Bluetooth integration to connect mobile phone, table or laptop
- Additional battery
- Multiple methods (need to be confirmed before PO)
- Nitrogen generator



To order

µ-C91022
µ-chromaPID

Model: TSP µ-C91022



To contact us

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