

Pyxis GC
CARRIER FREE ANALYSER **BTEX**



Compact, cost effective and always online

THE COMPACT SOLUTION FOR BTEX MONITORING

PyxisGC BTEX is a compact analyser for the real time monitoring of Benzene, Toluene, Ethylbenzene and Xylene in ambient air. It is perfect for indoor and outdoor application both. PyxisGC BTEX is manufactured by Pollution Analytical Equipment and it is compliant with EN14662-3:2015.



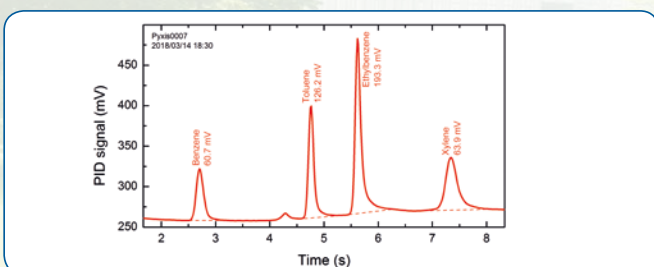
PYXISGC BTEX COMBINES TOP-NOTCH TECHNOLOGIES

PyxisGC BTEX is an air quality monitor that measures **BTEX** compound in ambient air. PyxisGC BTEX can measure those compounds thanks to the **MEMS** (Micro Electro-Mechanical Systems) pre-concentrator, **GC** separation column, based on a proprietary silicon micromachined chip and the miniaturized Photoionization detector (**PID**) that quantifies the peaks.



PYXISGC BTEX IS TRANSPORTABLE AND CAN BE EASILY INTEGRATED

PyxisGC BTEX can be **moved** indoor or outdoor thanks to his **lightweight** and **compact** size. It can be wall mounted or be placed on a pole. The analytical core of the PyxisGC BTEX, manufactured by Pollution Analytical Equipment, is also available to be integrated as **OEM module** in different analytical systems. In collaboration with our R&D team, we are also available to develop **tailored solution** for better custom integration.



APPLICATIONS

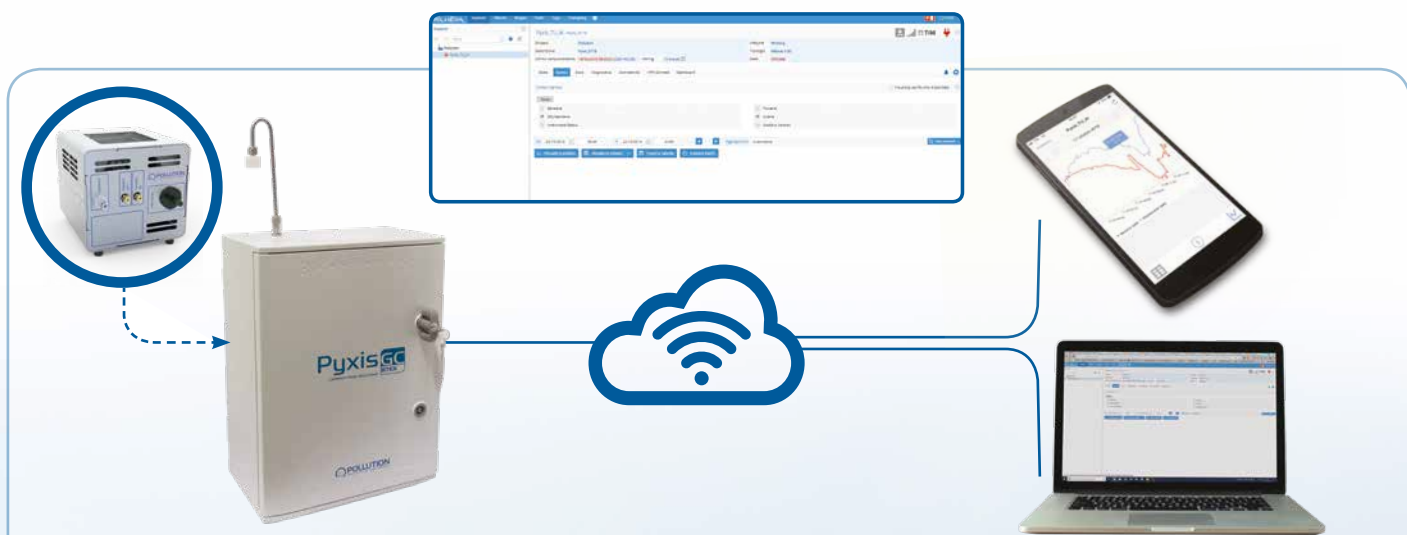
- Industrial monitoring (emission control, laboratory security, fence line)
- Environmental air quality monitoring - SMART CITY
- Air monitoring networks (street canyons, garages, tunnels, airports, stations)
- Indoor air quality (offices, hospitals, schools, museums)

KEY FEATURES

- PID Detector
High sensitivity
- MEMS Technology
Miniaturized
- Carrier Gas Cylinders FREE
Low cost ownership
- Cloud software for management /control
Real time monitoring

PYXISGC BTEX IS INNOVATIVE AND OPTIMIZED

PyxisGC BTEX is different from traditional environmental VOC analysers: it uses only ambient air as carrier gas, avoiding the use of pressurized gas cylinders. Easy installation and reduced cost of ownership are the advantages of the PyxisGC BTEX. The long life PID lamp allows operating periods without maintenance up to 1 year.



PYXISGC BTEX EXPLOITS A CLOUD SOFTWARE TO SIMPLIFY DATA USABILITY

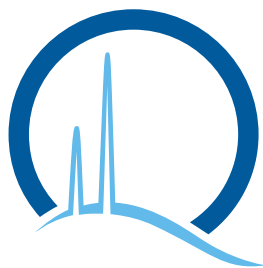
PyxisGC BTEX is equipped with a Cloud software to monitor and manage the acquired data: it is easily accessed via browser on your phone, tablet or PC. The **PyxisGC Cloud software** stores up and archives analysis data automatically, it allows the real time data and the historical data viewing (with creation of charts, tables, graphs and other statistical analyses).

PyxisGC Cloud allows to set user-defined alarms on the data collected and to send notifications via SMS or email. In addition, push notifications on your smartphone is also available, thanks to the dedicated APP. Thanks to PyxisGC Cloud it is possible to manage the instrument: the remotely diagnostic has never been so simple.

SPECIFICATIONS

Size and Weight	425mm x 325mm x 180mm, 7.5 Kg (OEM Module: 1.2 Kg)
Operating Temperature	0°C - 45°C
Instrument control	Integrated PC board
Data storage	16 GB Internal Flash Memory (up to 7 years of continuous measurements)
Power Input	12V, max. 2.5A
Power consumption	Max. 25W
Carrier gas	Ambient Air, <10 sccm
Sampling	Sample Flow Rate 250 - 450 sccm
Detector	High-sensitivity PID - Photo Ionization Detector (10.6 eV)
Analytical performance	[0.5 – 80] µg/m ³ (0.15 - 25ppb) benzene with 30 min analysis cycles [1.0 – 160] µg/m ³ (0.30 - 50ppb) benzene with 15 min analysis cycles
Lower Detection Limit	<0.2 µg/m ³ (0.05ppb) Benzene
Span Drift (24HR)	<2% Full-scale
Communication interfaces	Wi-Fi or RJ-45 Wired Network Interface
Instrument control and data access	· Local WebServer, accessible with a common browser (IE, Firefox, Chrome) · MODBUS over TCP server

Due to continuous improvement, our products can be subject to modification at any time and without any notice among the technical specs and images here listed, to be considered only as indicative.



THE ANSWER TO YOUR ON-SITE DETECTION CHALLENGES

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