

# NITROXYCHROM

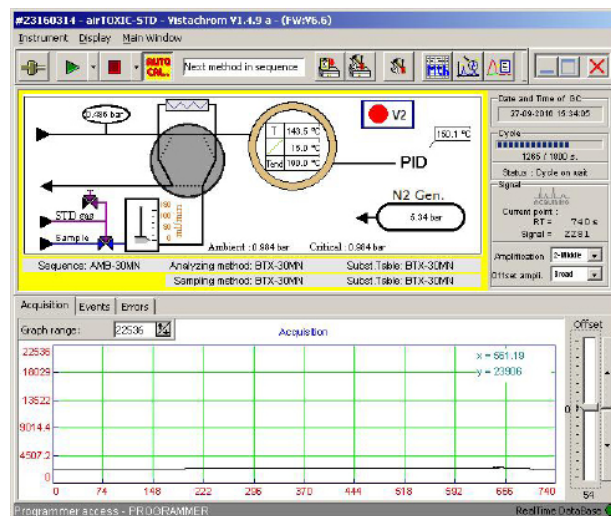
Nitrogen generator with air compressor



Model: XXX913-CS

Ultra High Purity nitrogen generator for BTEX, VOC, sulfur analyzers and others

Dedicated for Chromatotec® products line



airTOXIC synoptic showing the pressure of the N2 generator



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

N2 UHP gas

Compact

No cylinder

VOC ppt level

Remote control

Alarms

# NITROXYCHROM

Nitrogen generator with air compressor



## Nitrogen generator:

Thanks to Nitroxichrom, there is no need for a heavy and regular replacement of gas cylinder.

## Principle:

Nitrogen is produced from air.

NITROXYCHROM employs Pressure Swing Absorption (PSA) technology with a stand-by system to produce small flows of very high purity nitrogen when it is needed.

The compressed air enters to the generator via a filter that removes contaminants and bulk moisture via an integrated auto drain. When the control system assesses that more nitrogen is required, the solenoid valves opens and the pressure is allowed to build up in the column containing Carbon Molecular Sieve CMS and a residue catcher.

This sieve absorbs the oxygen and leaves the dry nitrogen free to flow into the reservoir.

A heated catalyser is needed to eliminate the hydrocarbons down to ppt concentration level.

The flow and quality of Nitroxichrom are optimized for Chromatotec® applications, for auto GC 866.

Electronic pressure measurement of N<sub>2</sub> displayed in Vistachrom (can be transferred by Modbus in option).

## **Manufacturer warranty is provided when the gas generators are associated with Chromatotec® products line**

## Advantages:

- Light weight construction
- Integrated Compressor: Nitroxichrom-C
- Low power requirement
- Easy Installation
- No regular maintenance required
- Over pressure security

## Product technical specifications:

### Flow rate:

- Flows up to 200 cc/min (300 cc/min in option for vigiE-NOSE or airTOXIC PURGE for example)

### Purity:

- Ultra High Purity to 99.9995%
- Ultra high quality for carrier gas for auto GC 866 and for dilution

### Communication:

- Pressure of the reservoir remotely available on Vistachrom for easy remote diagnosis

### Power Supply:

- 230 VAC 50 / 60 Hz or 110 / 115 VAC 50 / 60 Hz

### Electrical consumption:

- 150 W

### Dimensions and weight:

- Rack 19" – 4U
- Height: 177 mm (4U)
- Width: 482 mm (rack 19")
- Depth: 660 mm
- Net weight: 10 kg

### To order:

Nitrogen generator (4U) with air compressor

### Options:

Vertical configuration  
Wall mounted box

### Model:

XXX913-CS

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

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