



GS-Tek ANALYZER

Accuracy/High efficiency/Fast speed/Reliability



Offer you an accurate and reliable analytical solution
Diversified combinations and affordable system configuration
Timely after-sales support service, your best partner

Greenhouse gas, any gas that absorbs infrared radiation emitted from Earth's surface and reradiates it back to Earth's surface, thus contributes to the greenhouse effect. Water vapor, carbon dioxide, most refrigerants are the most important greenhouse gases. This system can analyze and accurately quantify the composition of greenhouse gases in the air and soil, including nitrous oxide (N₂O), CO₂, CH₄, etc. For some inorganic gases, such as hydrogen, oxygen and nitrogen, we can meet the analysis requirements by adjusting flow path.



Greenhouse Gas Analyzer

Features of Analyzer :

1. ECD detector can be used for analysis of N₂O, the concentration of which is lower than 1ppb
2. FID with Jetanizer detector can be used for analysis of CH₄ and CO₂, the concentration of which is lower than 1ppm.
3. The analyzer is easily expanded to the analysis of more components

Instrument configurations:

Two-valve four-column / ECD + FID with Jetanizer

If the analysis of other inorganic gases is required, the parameter of flow path and detector can be adjusted accordingly.

Note: this system can be equipped to SHIMADZU and AGILENT host system.

Sample:

greenhouse gases in the air or soil (compost)

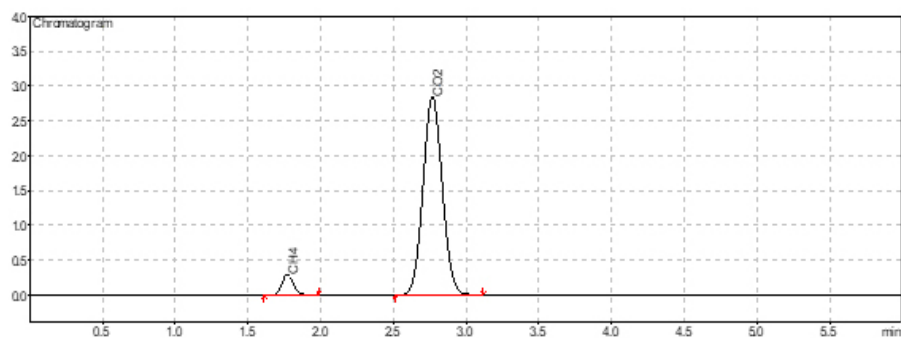
Target compounds:

N₂O, CH₄, CO₂

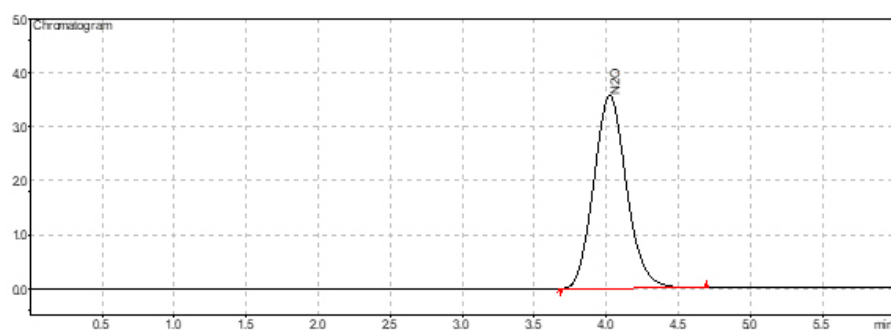
Detection sensitivity:

N₂O >50ppb, CH₄ >10ppm, CO₂ >1ppm

Typical chromatogram:

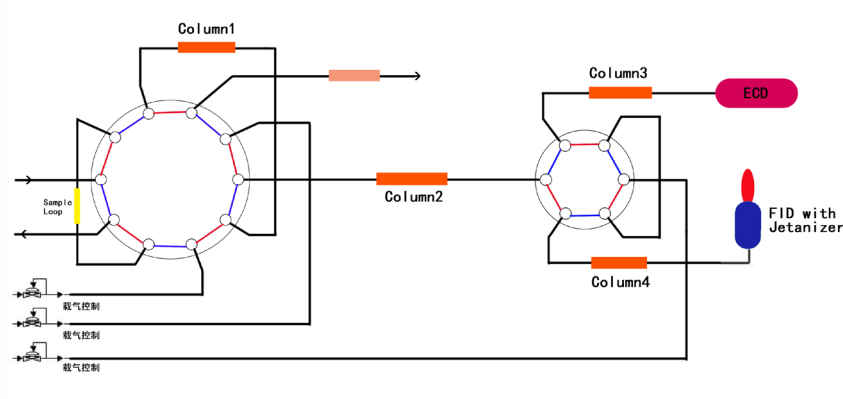


Typical chromatogram 1



Typical chromatogram 2

Typical flow diagram :



About us :

GS-Tek is a professional column and analyzer manufacturer, located in the beautiful state of Delaware, USA.

GS-Tek produces high-quality gas and liquid chromatography columns with excellent performance and first-class quality.

GS-Tek provides solutions and turnkey analyzers for customers and partners.

GS-Tek has 40+ year practical experience and professional knowledge in the field of chromatography and application development.

GS-Tek won the US President Award in 2014 and was listed in the 2015 US White House Trade Book.

GS-Tek has a worldwide sales network and supply system, for more information, please visit our website: www.gs-tek.com

GS-Tek Misson:

Provide products with excellent quality and performance to customers.

Provide timely and effective technical support, competitive product price, and timely and fast product delivery to customers.

We help customers work on their challenging applications and provide high-quality service and professional technology to win the trust and support of users.

We believe that we not only sell products, but also want to become your trustworthy and reliable Partner.

Contact:

GS-Tek

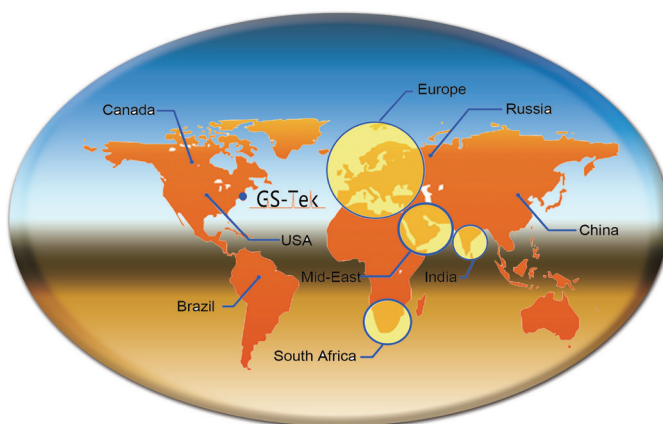
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