

GS-Tek

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

The characteristic gases in transformer oil include hydrogen, methane, ethane, ethylene, carbon monoxide, carbon dioxide, etc. Changes in the composition and content of these dissolved gases in the transformer oil usually result from the overheating, discharge or other potential fault conditions existing in the transformer equipment. Therefore, the internal failure can be predicted to effectively prevent accidents by analyzing the dissolved gas in the transformer oil.



Analyzer of Dissolved Gas in Transformer Oil

Features of Analyzer:

1. with one injection, the analysis of all components could be achieved.
2. can extend to C3 and C4 analysis.
3. OxyFID detector or optional FID detector with Jetanizer can be used to analyze CO and CO₂, detection sensitivity < 1ppm

Analyzer of Dissolved Gas in Transformer Oil

Instrument configurations:

One valve and two columns (capillary column) / TCD + oxyFID (or FID with Jetanizer) / headspace sampler

Use unique oxyFID detector to test trace amount of CO and CO₂

Compliance with Test Method Standard:

ASTM D3612

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

Sample:

Transformer Oil or similar component samples.

Target compounds:

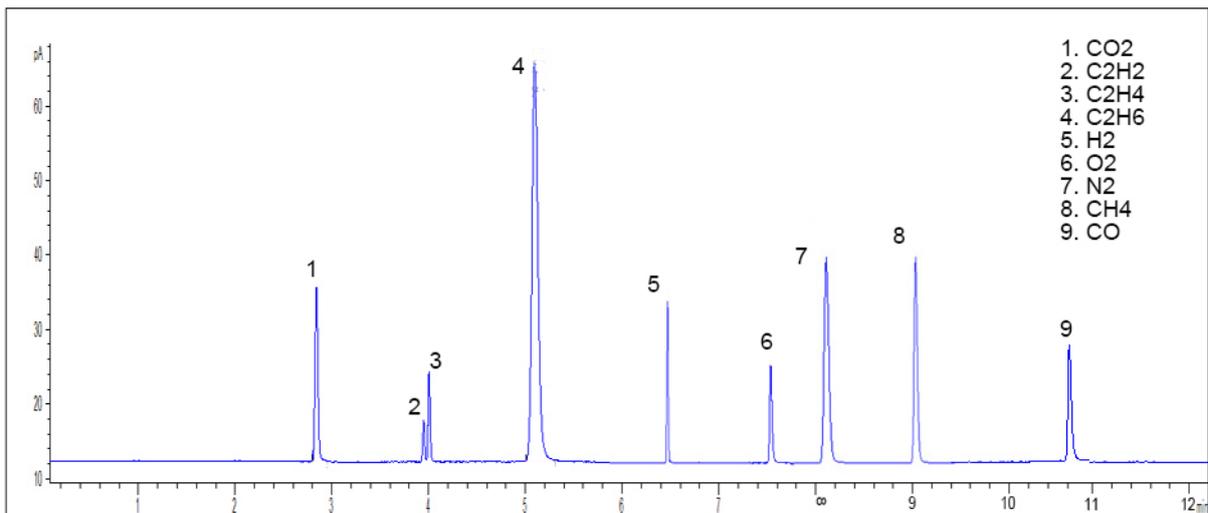
H₂, O₂, N₂, CO, CO₂, CH₄, C₂H₂, C₂H₄, C₂H₆, C₃ and C₄

Detection sensitivity:

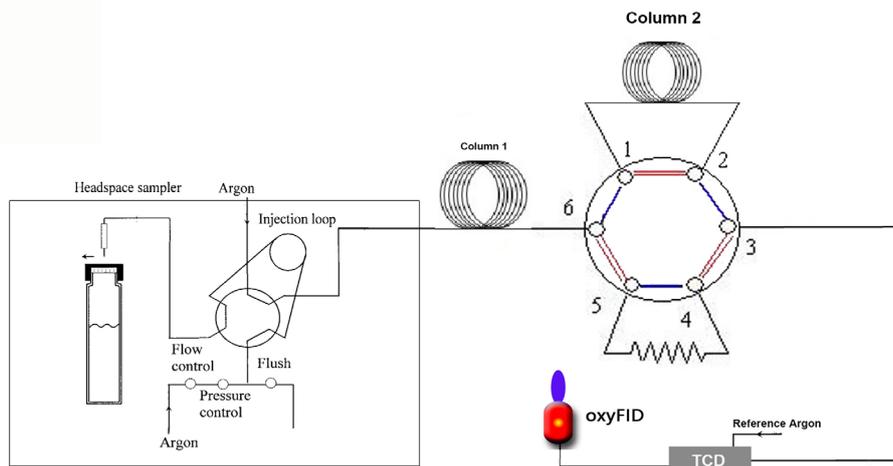
(H₂, O₂, N₂) > 50 ppm

(CO, CO₂, CH₄, C₂H₂, C₂H₄, C₂H₆, C₃ and C₄) > 1 ppm

Typical chromatogram:



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

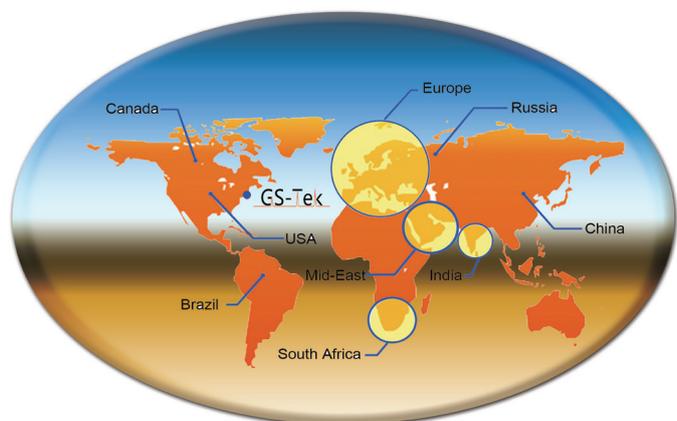
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