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Fast and Reliable Trace Gas Analysis – Improved Detection Limits for the Agilent 490 Micro GC

Technical Overview

Trace gas analysis is a challenge in today's world. The ability to analyze lower component levels enables you to do better quality control, and gain more reliable results. To meet your requirement for fast and accurate gas analysis outcomes, we have made continuous product quality improvements resulting in lower limits of detection (LOD) for our gas analysis platform – the Agilent 490 Micro GC.

To match your gas application requirements, you can equip the 490 Micro GC with one to four independently controlled column channels. Each column channel is a complete miniturized gas chromatograph with:

- Electronic carrier gas control,
- Micro-machined injector,
- Narrow-bore analytical column, and
- Micro thermal conductivity detector (µTCD).

This setup provides fast gas analysis, with typical run times of 30 to 90 seconds.

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Reliable Trace Analysis

The 490 Micro GC delivers sensitive gas analysis in seconds. With the recent detection limit improvements that resulted from product quality enhancements, the 490 Micro GC provides reliable trace gas analysis down to 0.5 ppm for WCOT columns, 2 ppm for PLOT columns, and 10 ppm for micro-packed columns. Contact an Agilent Representative today to find out more about Agilent Micro GC solutions for your application.

References

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