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CDS-7500S

● Stand-Alone Thermal Desorption Autosampler



Thermal Desorption Pyrolysis Purge and Trap

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Introduction

As an extension to our thermal desorption product line and our popular 7500 Thermal Desorption Autosampler, CDS now offers a Stand-Alone version, the Model CDS-7500S. The CDS-7500S is a 72 position TD autosampler with chemically inert sample pathways made of Sulfinert® tubing. It uses a reliable pick and place robotic arm to move the samples into the desorption interface and includes leak checking and an optional automated gas IS addition.

But unlike many Thermal Desorption Autosamplers, the 7500S does not need a separate sample concentrator, saving money and valuable lab space. And like all of our Thermal Desorption products, there is no need for Peltier cooling or liquid cryogenics. Our unique Desorb Pre-Heat function produces better chromatography without any of the hassle associated with Peltier devices or Liquid cryogenics. Without relying on a Peltier, we can eliminate the expense of a separate cooling gas while providing a simpler, more reliable flow path with less moving parts. Ultimately, this leads to a more reliable instrument.

Key Features

Tray Capacity: 72 Samples
Pick & Place Robotic Arm
Automatic Leak Checking
Optional Gas Internal Standard Addition
No Need for Problematic Peltier or Cryogenic Cooling
No Sample Concentrator Required
Competitively Priced
Heated Transfer Line up to 350°C
Can be Ordered to Desorb any Industry Standard Size Thermal Desorption Tube
Maximum Temperature of All Heated Zones is 350°C
Compatible with TD tubes from 3.5" - 7"

CDS Thermal Desorption Systems use narrow bore, ambient temperature focusing traps packed with multiple beds of adsorbent. And, when this is combined with our unique desorb "Pre-Heat" function, it provides a much more robust injection.

Benefits of the Pre-Heat function include:

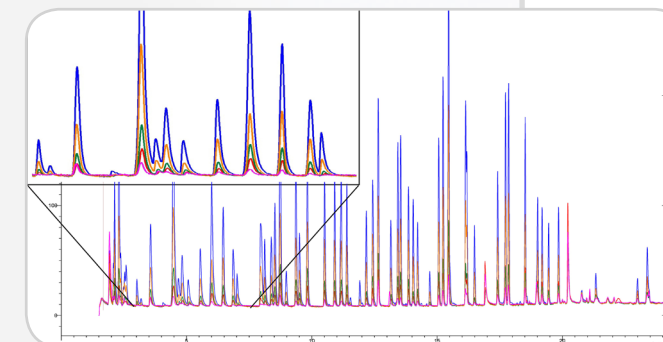
- Better sample handling of wet samples
- Smaller instrument foot print then cold trapping technique
- Fewer moving parts increases reliability
- Easier removal of focus trap compared with Peltier systems
- No added expenses for cryo liquids or cooling gases
- No Peltier



CDS 7500 Product Capabilities Detail

The 7500S offers the ultimate in flexibility and reliability including these unique features:

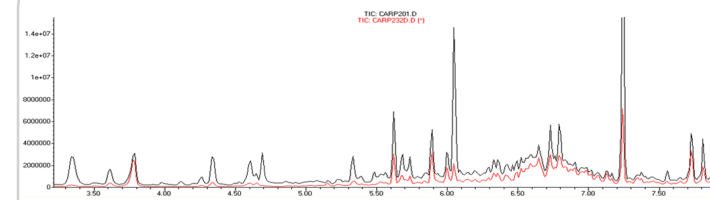
- Desorb any industry standard size TD sample tubes
- Highest programmed temperatures available for desorbing even the least volatile compounds
- Uses an industry proven robotic autosampler
- Priced competitively against other TD autosamplers



65 Component TO-17 Standard
5ppbv through 100 ppbv

Applications

- EPA 325
- TO-1 and TO-17
- VDA 278
- Product Emissions
- Chemical Agent Analysis
- Homeland Security TICs and TIMs
- Thermal Extraction



Carpet Emissions Over 72 Hours.

- Stand-alone software control with programmable methods
- Windows XP to Windows 10 compatible
- Wait for Ready and Remote Start for any GC system
- Run multiple methods on each sample
- Add internal standards for any sample
- System status notification through Email

