

## CDS Model 7500 Thermal Desorption Autosampler

- ▶ Chemical Agent Analysis
- ▶ TICS/TIMS Analysis
- ▶ US EPA TO-17 method
- ▶ Thermal Extraction of Solids
- ▶ Easily converted to a Water/Soil Purge & Trap
- ▶ Competitively priced
- ▶ No need for problematic Peltier or cryogen cooling
- ▶ Connects to existing CDS/Dynatherm 9300s
- ▶ Connects to existing CDS/7000E Purge & Traps
- ▶ Connects to existing OI & Tekmar Purge & Traps

www.cdsanalytical.com

## Thermal Desorption (TD) Autosampler Offers the Ultimate in Analytical Flexibility:

As an extension to our thermal desorption product line and our popular 7400 Purge & Trap Autosampler, the NEW CDS 7500 TD Autosampler offers several unique innovations in thermal desorption analysis. The CDS-7500 is a 72 position TD autosampler with chemically inert sample pathways made of PEEK®, and Silconert®, using a reliable pick and place robotic arm to move the samples into the desorption interface. The Autosampler includes automated IS addition, sample saver and leak checking.

But the flexibility begins with its ability to connect to different front-end concentrators such as the CDS-7000 Purge and Trap Concentrator, CDS-Dynatherm 9300 and even PT systems from OI and Tekmar.

The 7500 Autosampler has the unique ability to change between thermal desorption tubes for air analysis and VOA vials for soil and/or water analysis. By easily changing out the sampling tower, the user can rapidly change the autosampler from an air sampling system to a water/soil purge and trap system while using the same concentrator.

### CDS-7500 Purge & Trap Thermal Desorption Autosampler



### Autosampler Features

Tray Capacity: 72 Samples

Pick & Place Robotic Arm

Automatic Leak Checking

Internal Standard Addition

Sample Saver Option

Can handle any "Standard" sorbent tube size (3 ½" L x ¼" OD or 4 ½" L x 6mm OD)

Heating rate for desorption 900°C/min up to a maximum desorption temperature of 350°C

MAKE CDS YOUR UNIVERSAL GC INLET PARTNER



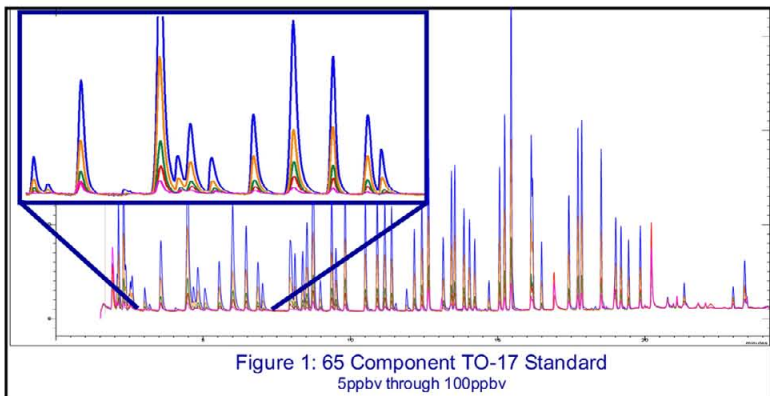
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# CDS 7500 Product Capabilities Detail Sheet



Analyze Volatile Organic Compounds off of solids or sorbent tube with boiling points of - 30°C through 300°C.

Recollect a portion for future analyses, using the optional sample saver capability.

Utilize your favorite sample concentrator, so that you have the ultimate in flexibility.

Stand-alone software control. Communicates directly with the sample concentrator.

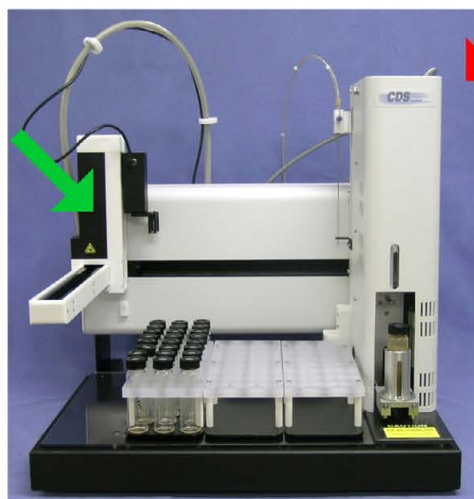
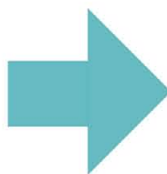
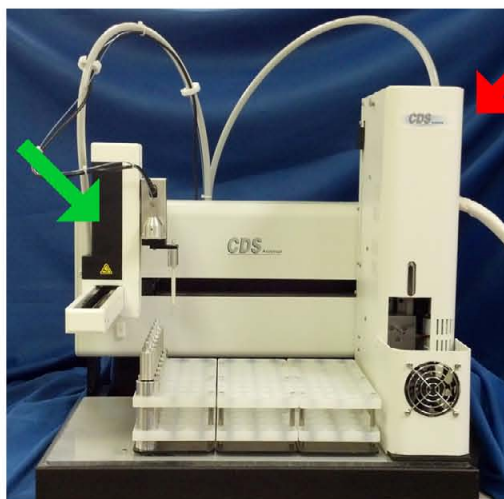
Works with Windows XP (SP3) and higher operating systems.

Run samples multiple times, add internal standards, enter sample saver splits for any sample.

| TUBE # | GC RUN # | METHOD NAME | INT STD                  | SAMPLE SAVER             | SAMPLE SAVER SPLIT % | NOTES |
|--------|----------|-------------|--------------------------|--------------------------|----------------------|-------|
| 1      | 1        | Default     | <input type="checkbox"/> | <input type="checkbox"/> |                      |       |
| 2      | 2        | Default     | <input type="checkbox"/> | <input type="checkbox"/> |                      |       |
| 3      | 3        | Default     | <input type="checkbox"/> | <input type="checkbox"/> |                      |       |
| 4      | 4        | Default     | <input type="checkbox"/> | <input type="checkbox"/> |                      |       |
| 5      | 5        | Default     | <input type="checkbox"/> | <input type="checkbox"/> |                      |       |
| 6      | 6        | Default     | <input type="checkbox"/> | <input type="checkbox"/> |                      |       |
| 7      | 7        | Default     | <input type="checkbox"/> | <input type="checkbox"/> |                      |       |
| 8      | 8        | Default     | <input type="checkbox"/> | <input type="checkbox"/> |                      |       |
| 9      | 9        | Default     | <input type="checkbox"/> | <input type="checkbox"/> |                      |       |
| 10     | 10       | Default     | <input type="checkbox"/> | <input type="checkbox"/> |                      |       |
| 11     | 11       | Default     | <input type="checkbox"/> | <input type="checkbox"/> |                      |       |
| 12     | 12       | Default     | <input type="checkbox"/> | <input type="checkbox"/> |                      |       |

START ABORT 47 48 44 45  
On-Line Value Oven Transfer Line Tube Heater SS Heater  
Move to Tube Position

Converting from the 7500 Thermal Desorption Autosampler to the 7400 Soil/Water Purge & Trap Autosampler is as easy as switching the two towers (Red arrows) and associated gripper arms (Green arrows) and connecting to the concentrator



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