CDS Analytical, Inc.

LEADERS IN SAMPLE INTRODUCTION TECHNOLOGY

5000

Pyroprobe® 5000

solids pyrolyzer

pulse pyrolysis

programmed pyrolysis

reactant gas

multi-step pyrolysis

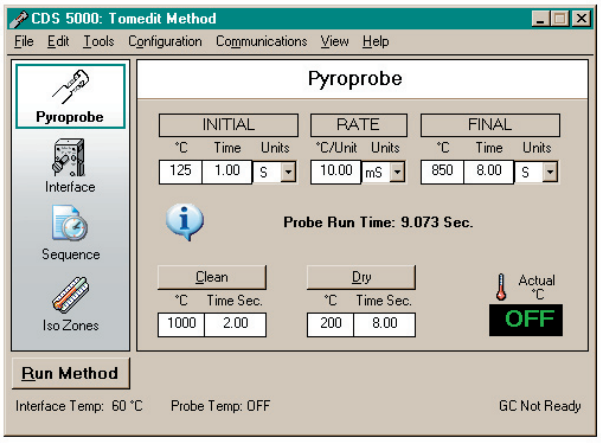
The CDS Pyroprobe® Model 5000

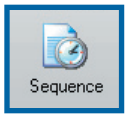
is the most advanced thermal sample preparation instrument available. Platinum filaments are rapidly heated for pulse pyrolysis work, or slowly heated with controlled rates for programmed analyses. Set temperatures in 1°C increments to 1400°C for a wide heating range and more precise pyrolysis temperatures. Analytical runs may be programmed for up to five steps per sample, with automatic control of the on-line valve, interface temperature, GC ready sensing and GC start for each step. When configured with the trapping option, the Pyroprobe® may be used to collect analytes from slow rate pyrolysis, thermal desorption or reactant gas pyrolysis. The unique interfacing design permits a direct pyrolysis path to the GC inlet or rapid sample heating and transfer to the trap without interrupting the pneumatics of the GC. Simple PC control of all parameters is presented in an easy to program window, permitting method development, storage, notation and editing.

Let our team of scientists help you with your analytical challenges

automatic

product features





specify up to five runs per sample–automatically

Window-based CDS 5000 DCI Control

platinum filament pyrolyzer for pulse-pyrolysis and multistep, programmed pyrolysis

simplified sample loading

programmable interface

easy transfer line connection to GC

PC control

three modes of operation
- run, dry, clean–all user selectable

built-in trapping zone for:
- thermal desorption
- reactant gas operation
- slow rate pyrolysis with trapping

interface directly to GC or to trap

product specifications

Model 5000

Pulse Pyrolysis

Filament Temperature:	Programmable in 1°C increments to 1400°C
Heating Rates:	0.01 to 20.0°C/ms (10 to 20,000°C/second)
Clean and Dry:	User selectable

Programmed Pyrolysis

Heating Rates:	0.01 to 999.9°C/sec and 0.01 to 999.9°C/min
Multiple Steps:	Each step may include GC start

Interface

1500 Valved Interface:	Isothermal temperature, set in 1°C increments

control

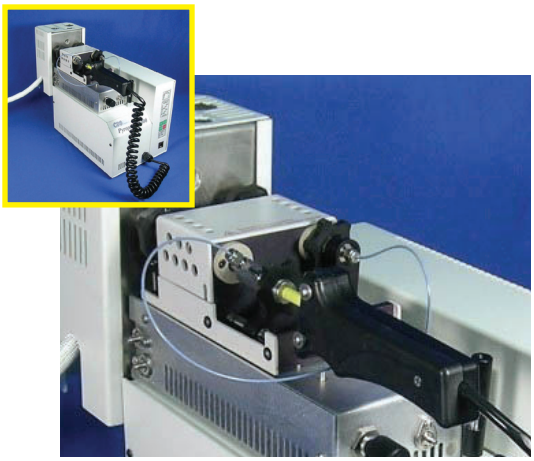
advanced capabilities

Model 5150

all above, plus

Multiple steps:	Each interface step includes initial, ramp and final Each step may include Pyroprobe® and GC start
Interface:	Low-mass programmable zone on 5150 unit
Temperature:	Settable in 1°C/min increments to 350°C
Heating Rates:	Programmable in 1°C/min increments to 60°C/min
Heated Zones:	4 auxiliary zones
Valve Oven:	Settable in 1°C increments to 300°C
Transfer Line:	Settable in 1°C increments to 325°C

Model 5200



for headspace trapping and reactant gas pyrolysis

Interface:	Pyrolysis to built-in trap or direct to GC
Temperature:	Settable in 1°C increments to 350°C
Heating Rates:	Programmable in 1°C/min increments to 60°C/min
Trapping Tube:	Ambient to 350°C

Overall Dimensions: 23 cm W x 24 cm H x 31 cm D
(5000 without interface)

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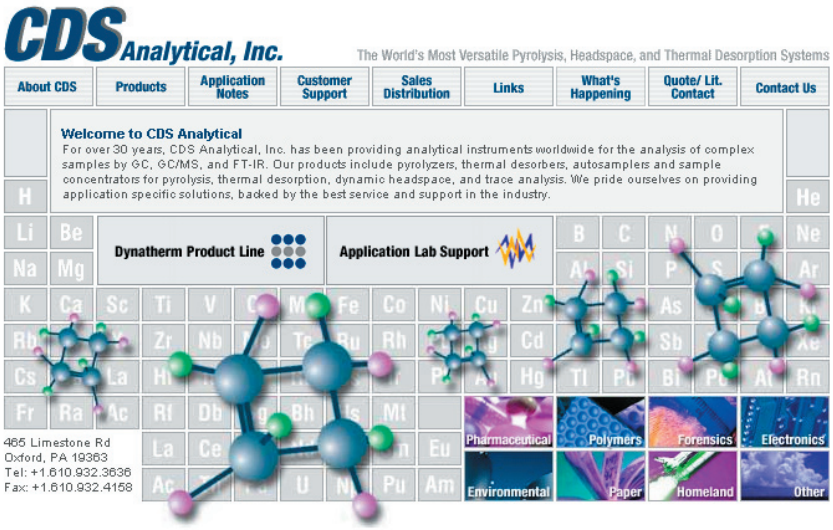
LEADERS IN SAMPLE INTRODUCTION TECHNOLOGY

MAKERS OF CDS MODEL 8000 SAMPLE CONCENTRATOR AND DYNATHERM THERMAL DESORPTION SYSTEMS



for more information

on CDS products and applications, go to www.cdsanalytical.com

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