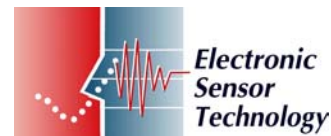


# Model 3100

## Desorber

EST Part No. SYS001979



### High Temperature Desorption Accessory

#### What is it?

The 3100 Desorber accessory attaches to the inlet of the SAW/GC and is used to inject liquid samples or to perform thermal desorption of soil samples up to 250 mg. The temperature of the slide-on heater is user selectable within the range 50° C to 300° C and settles to the selected temperature in less than five minutes



The 3100 Desorber also functions as a controllable vapor generator using a built in pump and flow meter for use with solid analytes such as explosives and drugs.

#### How does it work?

The Desorber has a simple to use temperature controller that allows selection of desorption temperature in one degree increments. An internal pump and flow meter provide a controlled measured amount of air to flow through the heated desorption tube, creating an accurate vapor generator. The air flow can be adjusted to permit accurate control of saturated vapors produced at the exit of the desorption tube.

The unit comes with a LUER adapter to interface with the SAW/GC inlet systems.

### Specifications

#### Dimensions

- Weight 3.5 lbs 1.59 kg
- Depth 6.25 in 15.8 cm
- Width 4.75 in 20.07 cm
- Height 8 in 20.32 cm

#### Environmental Conditions

- 32° F to 105° F (0° C to 40° C)
- 0 – 95% (non-condensing)

#### Power

- 120 VAC at 110 watts MAX

#### Temperature Range

- Programmable from 50° C to 300° C

#### External Flow Control: (Vapor Generator mode)

- 5 – 50 ccm measure by front panel flow meter
- Flow medium is air from internal pump

#### Desorber Element

- Accepts ¼ inch diameter glass tubes
- Attaches to case through 5 foot cable

#### Inlet Connection

- Stainless Steel LUER inlet port
- Attaches to Luer type inlet of 4100/7100 Systems

#### Inlet Connection

- Air filtered by replaceable internal filter

# **Model 3100**

## **Desorber**

EST Part No. SYS001979



### ***High Temperature Desorption Accessory***

### ***Applications***

- The Model 3100 Desorber may be attached to the inlet of any 4000 series z-Nose to increase the sensitivity of the instrument.
- Environmental Monitoring Vehicle Check Points