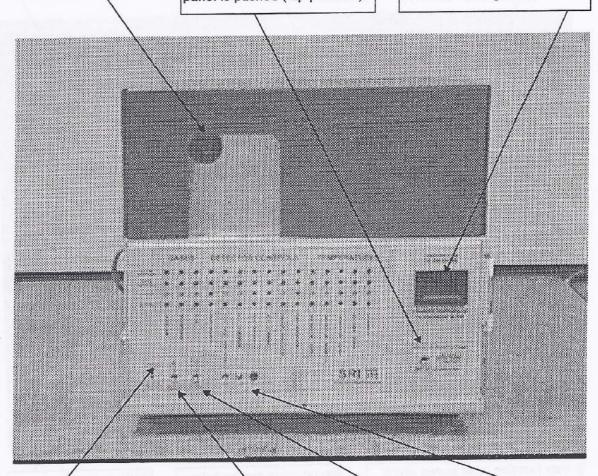
Topic: FRONT PANEL ORIENTATION

Liquid or gas injection port for 26 gauge syringe needle Meter selector switch allows constant display of column oven temperature (down position) or display of any zone setpoint or actual when a specific button on the front panel is pushed (up position).

Digital Panel Meter displays column oven temperature, detector temperatures, gas pressures, and detector parameters such as FID ignitor volts, PID lamp current, FPD PMT voltage, etc.



Thermo-couple out of range alarm LED indicates when any heated zone is reading less than 5 or more than 400 degrees
Centigrade. When alarm is activated all AC power to heaters is shut off by deenergizing main power relay.

Polishing filter bake out switch heats built-in carrier gas filter for 5 minutes to eliminate contaminants.

Optional built-in internal air compressor on/off switch. Air compressor is used to supply air for FID, FPD and DELCD detectors

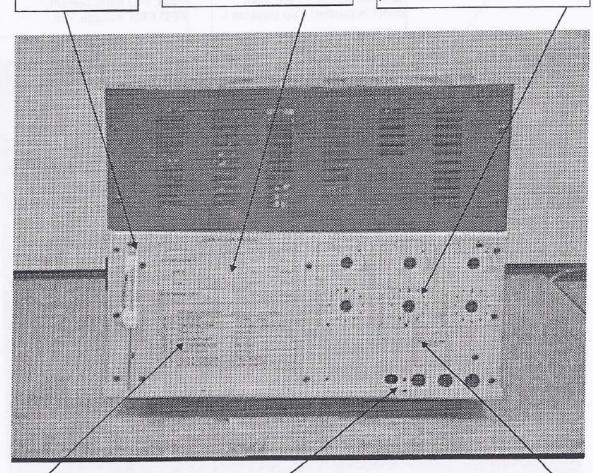
Detector control switches enable on/off of various detector parameters such as PID lamp current, FPD PMT volts or FID ignitor.

Topic: RIGHT SIDE PANEL ORIENTATION

Screwdriver in convenient "holster" for adjustment of temperature and pressure setpoints

Gas flow rate table is used to record the flow rates and pressures used for detector support gases. Factory technicians record typical flow rates and pressures used to test detectors before shipment.

Mounting location for optional detector "zero" and attenuator knobs when such controls are installed. These controls are normally not required when the GC is supplied with the built-in PeakSimple Data system, but are installed when no data system is provided.



Relay function table shows which function each of the 8 (A-H) data system relays is assigned.
Depending on GC configuration, some relays may have no function.

Signal cable access holes are provided for optional situations requiring wiring to exit GC.

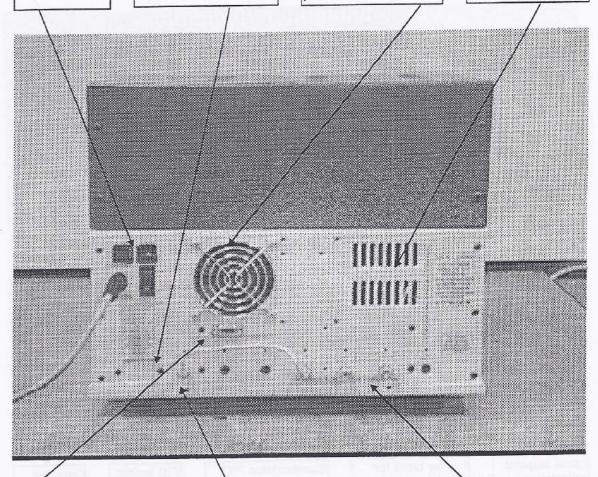
Optional location for mounting of quick disconnect jack for remote start foot switch.

Topic: LEFT SIDE PANEL ORIENTATION

Main Power Switch, circuit breakers and AC power cord. Optional location for vacuum pump interface socket. If this option is installed a IEC422 type receptacle will be mounted in this space. Power to the receptacle will be controlled by the data system

Chassis cooling fan.
This fan cycles on and
off to maintain the preselected chassis
interior temperature
setpoint. The chassis
setpoint can be
adjusted via front
panel controls

Chassis venitilation slots.
Do not obstruct these slots, as cooling air exits the GC through these openings.



DB-9 serial port connector to host computer. The included serial port cable attaches here to enable the PC to control and collect data from the GC.

Optional air compressor outlet. Typically connected to air inlet bulkhead fitting with copper tubing

Stainless steel 1/8" swagelok type bulkhead fittings for gas inlet connections.

Depending on GC configuration, there may be inlets for Helium, Hydrogen, Air or ECD make-up gas. Gases are typically connected here using 1/8th inch O.D. copper tubing from the gas cylinder.

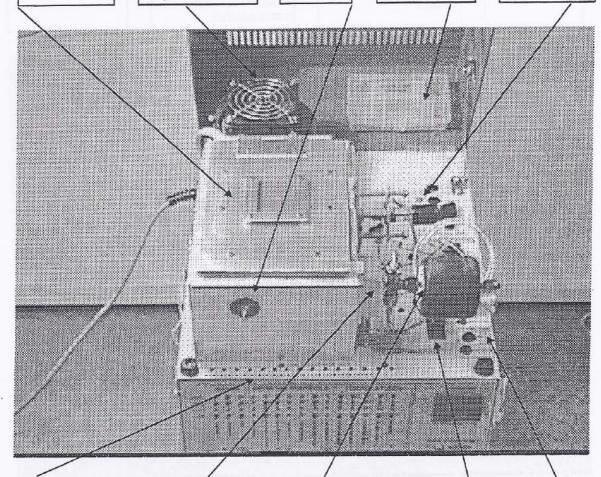
Topic: TOP PANEL ORIENTATION

400 degree C insulated temperature programmable column oven for packed or capillary columns.

High speed cooldown fans engage at end of temperature programmed run to bring column oven temperature back down to starting temperature. Syringe injection port for liquid or gas injection

Spare parts storage container is convenient for holding extra nuts, ferrules and small accessory parts.

PID detector.
Up to four
detectors may
be mounted
alongside the
right hand
edge of the
column oven.



Local setpoint adjustment screws for temperautes, pressures and detector parameters. Heater block for each detector is individually thermostatted and adjustable from front panel setpoint controls.

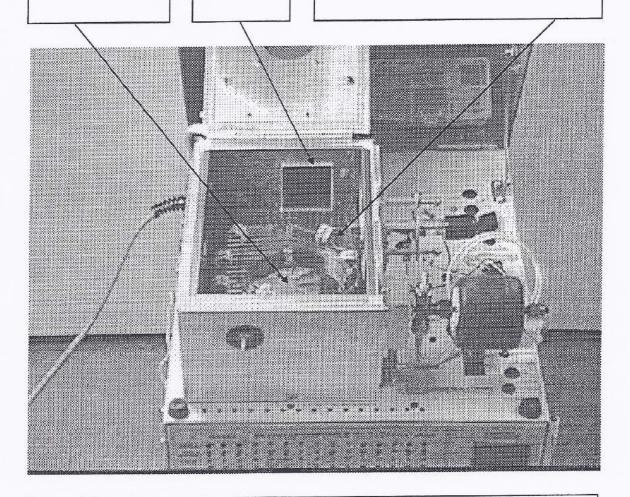
Combination FID-DELCD detector. Other detectors may be mounted in this location depending of GC configuration. FID ignitor, NPD bead and DELCD heater connection. Detector amplifier gain control switches and BNC signal connectors

Topic: COLUMN OVEN INTERIOR

60 meter .53 mm. I.D. capillary column shown mounted in column oven.

Duct for cooling air from oven cooling fans.

Circulation fan and heater coils on bottom of column oven. All heater circuits and circulation fan are disabled by interlock switch which is deactivated when red lid is raised.



The column oven on the SRI Model 310 GC is designed for column diameters up to 4" (10 cm.). While this column diameter is smaller than average, most packed and capillary columns can be ordered with the recommended 3.5" coil diameter. Metal capillary columns are suggested because of their ruggedness and long life.