

## Specifications for the Model 501-B Process GC

<b>DETECTION PRINCIPLES</b>	Photoionization, Flame Ionization, Far UV Absorption, Electron Capture, Thermal Conductivity and Flame Photometric
<b>DETECTION LIMIT</b>	Application dependent (ppb to %)
<b>SAMPLING POINTS</b>	1, 10, 20, 30
<b>SAMPLE TYPE</b>	Vapor or liquid sample
<b>RANGE</b>	Application dependent But: sub ppb to % depending on injection system and detectors.
<b>MAX. LENGTH SAMPLE LINE</b>	1000 feet (1 52.4 meters)
<b>COMPUTER</b>	Pentium computer (>200 MHz) with 100 MHz bus speed; Color VDA Display
<b>DIAGNOSTICS (13)</b>	Self-diagnostics for oven temperature, power, peak height, supply voltages, calibration, autozero, CPU board function, RAM, function, sample flow, calibration gas, carrier flow, and the printer. If an error condition occurs, a diagnostic message appears on the status screen on the video display, an audible alarm is activated, and the printer provides a hardcopy record of the diagnostic message.
<b>AUTO CALIBRATION</b>	Every 8 hours; autozero and calibration check are incorporated. Manual calibration checks are possible at any time.
<b>ALARMS</b>	User-programmable <b>high and low</b> audible alarms per point and per component. Alarm relay contacts for customer supplied external alarms (one per point; one common high; and one diagnostic). Internal diagnostic audible alarm.
<b>OUTPUTS</b>	0-1 volt DC, analog ; One 9 pin RS232 Serial port, Parallel Printer port, Relay alarm contacts (supply dry contact closures)-optional.
<b>INSTRUMENT HOUSING</b>	The housing for the GC is NEMA 12, 19"rack mount with an electrical classification of general purpose. Purged housings are available (option) for Class 1, Division 1 and Class 1, Division 2 hazardous areas.
<b>OPERATING CONDITIONS</b>	5- 40- °C (41-104 °F) 0-95% RH, non-condensing
<b>PHYSICAL DIMENSIONS</b>	Height: 30" H; Width: 33", W, Depth18"
<b>WEIGHT:</b>	144 lbs (54 kg) with Multipoint sequencer
<b>POWER REQUIREMENTS</b>	100, 115, 220, 230 V, 50/60 Hz, 10 amps
<b>POWER CONSUMPTION</b>	840 Watts with mulitpoint