



# Gas Chromatograph

AB-LITE GC 0003M GAS CHROMATOGRAPH



5 Independent Heated Zones up to 400° C for individual control of Injector, Detector and oven

32 Keys for setting of the parameters & eight status L.C.D indications including oven ramp status.

Optional Attachments, head space sampler & auto liquid sampler with CFR compliant chromatography integrator

## TECHNICAL SPECIFICATIONS

Gas Chromatograph Model AB-LITE GC 0003M with dual Flame Ionization Detector, with one no packed and one no Split/Split-less injection port.

### COLUMN OVEN:

Size	: [H] 290mm X [W] 280 mm X [D] 160 mm
Volume	: 13.8 Ltrs.
Temperature	: 5°C above the ambient Temperature to 500° C.
Ramp Rate	: 1°C to 50° C per minute.
No. of Ramps	: 10
Cooling Rate	: 250° C to 50° C within Approx 6 Minutes at 25° C room Temperature.
Temperature Gradient	: 2°C max (on 200 mm Dia. Cirumference, 40 mm from the sensor)
Temperature Accuracy	: +1% of set value from 50° C to 500° C
Heated Zones	: 5 Independent Heated Zone up to 500° C for individual control of Injectors, detector, oven

### PNEUMATICS:

Pneumatic pressure provides excellent performance with capillary column.

Injectors	: Pressure range 0 to 2 Kg/com <sup>2</sup> Constant Pressure
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### INJECTION SYSTEM:

One no Split/Split-less(capillary column) injector. And one no packed injection port. Temperature range settable up to 500°C in the steps of 1° C

### DETECTOR:

- Higher sensitivity flame ionization detector with auto flame ignition, Temperature range settable up to 500°C. in the step of 1°C.
- Dynamic range 10<sup>7</sup>
- Sensitivity equivalent to 3pg C/sec of toluene/nonane.
- Polarization :- 240 V DC.

### DISPLAY:

80 Characters (20 X 4 lines) LCD

### KEYBOARD:

- 32 Keys for setting of the parameters & eight status LCD indications including oven ramp status.
- 4 External event control relay output.
- 2 Logic inputs and 2 logic outputs.

### POWER REQUIREMENT:

Approximately 2800VA max.

### SIZE:

515 (W) X 450 (H) X 535 (D) mm.

### WEIGHT:

Approximately 37 Kg.