



Electronic pressure controller (EPC) provides excellent performance with capillary columns

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

Higher sensitivity flame ionization detector requires no make up gas due to unique zero dead volume design

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

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

PC Controlled Gas Chromatograph

TECHNICAL SPECIFICATIONS

COLUMN OVEN

Size	[H] 290 mm X [W] 280mm X [D] 160mm
Volume	13,8 Ltrs.
Temperature	5° C above the ambient temperature to 500° C
Ramp rate	0.1°C to 50° C per minute
No. of ramps	10
Cooling rate	300° C to 50° C room temperature
Temperature Gradient	2° C max (on 200 mm Dia. Circumference, 40mm from the sensor)
Temperature Accuracy	±1% of set value from 50°C to 500° C
Heated zones	3 Independent Heated Zones up to 400° C for individual control of injectors, detectors, oven

PNEUMATICS

Electronic pressure controller (EPC) provides excellent performance with capillary columns.

Injectors	Pressure range 0 to 450 kpa. constant pressure or constant flow settable
Pressure program Correction Factor	Provided Maintains the constant flow or average linear velocity during oven heating

INJECTION SYSTEM

- One Split/split-less (capillary column) injector and one packed injection port
- Temperature range settable up to 400° C in the step of 1° C

DETECTOR

- Higher sensitivity flame ionization detector requires no make up gas due to unique zero dead volume design
- Temperature range settable up to 400° C in the step of 1° C
- Dynamic range 10⁷
- Sensitivity equivalent to 3pg C/sec of toluene/nonane
- Polarization: -240V DC

DISPLAY

80 Characters (20 X 4 lines) LCD

KEYBOARD

- 32 Keys for setting of the parameters & eight status L.E.D. indications including oven ramp status
- PC control communication with one RS 232
- 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 485 (D) mm.

WEIGHT Approximately 37 Kg.