

PC Controlled Gas Chromatograph

Chrom Lite 3000A GAS CHROMATOGRAPH



NETEL Gas Chromatograph Model Chrom Lite GC 3000A with single Flame Ionization Detector, with one packed and one Split/Split-less injection port

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

PC control communication with RS 232

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



TECHNICAL SPECIFICATIONS

Gas Chromatograph Model Chrom Lite GC 3000A with single Flame Ionization Detector, with one packed and one Split/Split-less injection port.

COLUMN OVEN

Size	[H] 290 mm X [W] 280 mm X [D] 160 mm
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 within approx 10 minutes at 25 °C room temperature
Temperature Gradient	2 °C max (on 200 mm Dia. Circumference, 40 mm 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	Provided
Correction Factor	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 10^7
- 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 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 2800 VA max

SIZE 515 (W) X 450 (H) X 485 (D) mm.

WEIGHT Approximately 37 Kg.



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