

Gas Chromatograph

Chrom Lite GC 3000M GAS CHROMATOGRAPH



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

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



ISO 9001:2008
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ID 9105082996



TECHNICAL SPECIFICATIONS

Gas Chromatograph Model Chrom Lite 3000M
With Dual Flame Ionization Detector, with one
no packed and one no 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	: 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. Circumference, 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/cm ² 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 10⁷
- 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.C.D. indications including oven ramp status.
-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 535 (D) mm.

WEIGHT:

Approximately 37 Kg.



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