

Labomiz



Gas Chromatography MGC-1B

Labomiz Scientific

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Gas Chromatography MGC-1B is equipped with a 16 phase temperature programme with a temperature range of RT to 450 ° C. Features an APC controlled Flame Ionization Detector (FID) with high sensitivity for a range of analyses. Dual column compensation function effectively restrains baseline drift. Built-in provision to connect to internet for data transfer and automated programme upgradation. Packed and capillary column can be installed at the same time.

Features:

- ▶ LCD display indicating temperature , time and gas flow
- ▶ Large capacity oven (can hold 2 pieces of 0.32 mm diameter capillary column)
- ▶ Packed and capillary column can be installed at the same time
- ▶ Automated programme upgradation on connecting to internet
- ▶ Dual column compensation function
- ▶ Effective thermal insulation effect when temperature of oven , vaporizing chamber and detector reach 300 °C
- ▶ Self-testing , power protection, keyboard lock , automatic ignition and anti-power mutation interference function

Applications:

Used in the analysis of oil extraction and refining industry, petrochemical analysis, gas industry, quality control of medicines, food and chemicals, in quality supervision of medicines, foods and chemicals and scientific research institutes

Specifications :

Model No.	MGC-1B
Power supply	AC 220 V \pm 10 % ; 50 Hz / 60 Hz
Dimensions (W x D x H)	800 x 570 x 650 mm
Gross weight	75 kg

Standard Accessories :

FID detector
Chromatography workstation software

Optional Accessories :

Sample Injection System
TCD detector
ECD detector
FPD detector
NPD detector
Chromatographic Column

Oven Specifications :

Temp range	RT ~ 400 °C
Temp accuracy	\pm 0.02 °8
Temp programme	16 phase
Temp heating rate	40 °C / min

Detector Specifications:

Hydrogen flame Ionization Detector (FID)	Detection limit : \leq 3 x 10 ⁻¹² g/s (Sample : N-hexadecane)
	Baseline drift : \leq 1 x 10 ⁻¹³ A/30 min
	Linear range : \geq 10 ⁷
Thermal Conductivity Detector (TCD) (Optional)	Sensitivity : >10000 mv.ml/mg (Sample : N-hexadecane)
	Linear range : \geq 10 ⁵
Electron Capture Detector (ECD) (Optional)	Detection limit : \leq 1 x 10 ⁻¹⁴ g/ml (Sample : N-hexadecane)
	Linear range : \geq 10 ³
Flame Photometric Detector (FPD) (Optional)	Detection limit : \leq 2 x 10 ⁻¹¹ g/s (S of Thiophene)
	Detection limit : \leq 1 x 10 ⁻¹² g/s (P of Methyl parathion)
	Linear range : \geq 10 ²
Nitrogen & Phosphorous Detector (NPD) (Optional)	Linear range : \geq 10 ³
	Detection limit : \leq 1 x 10 ⁻¹² g/s (Azobenzene)
	Detection limit : \leq 1 x 10 ⁻¹² g/s (Marla Sulphur Phosphorous)
	Linear range : \geq 10 ³

The logo for Labomiz, featuring the word "Labomiz" in a bold, italicized, dark blue sans-serif font. The logo is centered within a white diamond shape that is part of a larger geometric design of overlapping teal and white diamonds on a light blue background.

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