

Labomiz



Gas Chromatography MGC-1A

Labomiz Scientific

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Gas Chromatography MGC-1A is equipped with a 9 phase 10 platform temperature programme with a temperature range of 5 ° C to 400 ° C. Features an APC controlled Flame Ionization Detector (FID) with high sensitivity for a range of analyses. Built-in provision for synchronous external trigger function and external trigger starts the equipment and workstation software at the same time.

Features:

- ▶ LCD display indicating temperature , gas flow and heating curve
- ▶ Synchronous external trigger function and external trigger starting equipment and workstation software at the same time
- ▶ Multi-core and 32-bit embedded hardware system
- ▶ Eight pieces external extension interfaces connectable with control valve
- ▶ Self-test and automatic fault recognition 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-1A
Sample injector temperature range	RT +7 °C ~ 420 °C
Power supply	AC 220 V ± 10 % ; 50 Hz / 60 Hz
Dimensions (W x D x H)	1020 x 660 x 740 mm
Gross weight	82 kg

Standard Accessories :

TCD detector
FID detector
Capillary Injection System
Chromatography workstation software

Oven Specifications :

Temperature range	RT +5 °C ~ 400 °C
Temperature accuracy	± 0.02 °C
Temperature programme	9 phase / 10 platform
Temperature heating rate	60 °C / min

Optional Accessories :

Chromatographic Column
Gas purifier

Oven Specifications :

Hydrogen Flame Ionization Detector	Logarithmic amplifier
	High voltage switch control
	Baseline signal display
	Ignition coil control
Thermal Conductivity Detector (TCD) (Optional)	Detection limit : ? 3 x 10 ⁻¹² g/s (Sample : n-hexadecane)
	Dynamic range : 10 ⁷
	Bridge voltage switch control
	Bridge current setting : 0 to 220 mA
	Sensitivity : 6000 mv.ml/mg
	Dynamic range : 10 ⁵

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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