

Labomiz



Liquid Chromatography

Labomiz Scientific

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Website : www.Labomiz.com



Liquid Chromatography MLC-1 Series is a high performance table top unit for isolation of the individual components of a mixture. It features highly integrated separation function for precise results through UV-Visible detectors. It's a fully automated system with isocratic and gradient pumping system.

Features:

- ▶ Flow rate range is 0.001 ~ 9.999 mL / min
- ▶ Isocratic and Gradient pumping system
- ▶ High pressure pump for accurate solvent delivery with high precision and low fluctuation
- ▶ The pumps work parallel to the detectors ensuring accuracy and high reliability for a longer duration
- ▶ UV-Visible detector and refractive index detector provides stronger detection capability
- ▶ Front panel accessibility to all parts for quick replacement without dismantling the instrument
- ▶ Automated safety monitoring system that stops pump operation on application of excess of pressure
- ▶ Multiple data analysis and management functions
- ▶ Flexible peak determination

Applications:

Used in clinical diagnosis of diseases and disorders, scientific research and development, pharmaceutical labs for drug analysis, cosmetic industries, botanical laboratories, food and beverages industries for quality control, standard controls, etc.

Specifications :

Model No.		MLC-1A	MLC-1B
Pump	System	Gradient	Isocratic
	Flow rate range	0.001 ~ 9.999 mL / min	0.001 ~ 9.999 mL / min
	Flow rate accuracy	$\leq \pm 0.5\%$ (1 mL / min, water, room temperature)	$\leq \pm 0.5\%$ (1 mL / min, water, room temperature)
	Flow rate precision	RSD $\leq 0.08\%$ (1 mL / min, water, room temperature)	RSD $\leq 0.08\%$ (1 mL / min, water, room temperature)
	Pressure range	≤ 42 Mpa	≤ 42 Mpa
	Dimensions	470 * 380 * 300 mm	470*380*300 mm
	Net Weight	8 kgs	8 kgs
	Gross Weight	10 kgs	10 kgs
Detector	Lamp	Deuterium lamp	Deuterium lamp
	Wavelength range	190 nm ~ 700 nm	190 nm ~ 700 nm
	Baseline noise	$\leq 8 \times 10^{-6}$ AU	$\leq 8 \times 10^{-6}$ AU
	Baseline drift	$\leq 1 \times 10^{-4}$ AU / h	$\leq 1 \times 10^{-4}$ AU / h
	Detection Limit	4×10^{-9} g/ml (Naphthalene / methyl alcohol solvent)	4×10^{-9} g/ml (Naphthalene / methyl alcohol solvent)
	Wavelength accuracy	± 1 nm	± 1 nm
	Dimensions	470*380*400 mm	470*380*400 mm
	Net Weight	8 kgs	8 kgs
	Gross Weight	10 kgs	-

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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