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High Pressure Pump LCP 5021



High pressure pump LCP 5021 is a biocompatible version of LCP 5020. Biocompatible implementation guarantee only inert wetted materials like PEEK, PTFE and Alucermics.

This programmed pump is proposed for analytical and semipreparative HPLC. Original design with "flying" pistons enables precise delivery of solvents and buffer solution both at low and high pressure.

Ternary gradient is realized by the means of one High Pressure Pump and three solenoid valves connected to the low pressure side, whereas binary gradient, at the high pressure side, is secured by two pumps.

Display and keyboard provide user comfort for both, manual and automatic operation. Besides the time controlling of flow rate and gradient pattern, the program can also control additional instrument

(autosampler, second pump, etc.).

The pump is designed as an independent device but it can be also used as a part of computer controlled chromatographic station.

- [User manual](#)

Flow:	0.01 to 20 ml/min
Pressure:	max. 40 MPa
Pressure limit:	0 to 40 MPa selectable by 1 MPa
Gradient:	Ternary-Low pressure (trinity of solenoid valves) Binary-High pressure (two pumps)
Time program:	Up to 20 individual programs in times from 0 to 640 minutes
Programable parameters:	flow rate, concentration, output control signals, program end, cycle counts
Communication:	RS 485
Output control signals:	4 (TTL)
Return reading response:	2 (TTL)
Dimension (w x h x d):	240 x 130 x 360 mm
Weight:	10 kg
Electrical feed:	230 V \pm 10%, 50 Hz

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