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Autosampler LCS 5040



The autosampler is designed for automatic performance of the HPLC chromatographs. It transfers the samples from the sealed Eppendorf mikrotubes placed in a cooled holder.

The sample is pumped from the mikrotube into the sample injector loop and, at the determined time,

injected into the column. Between the consecutive sample transfers, the loop is flushed and dried. Filing of the sample loop is controlled by optical sensors.

Algorithm for the sequence of sample transfers can be governed by computer via serial interface RS 232 or, alternatively, RS 485. In cases that the instrument set features no software utilizable for the control of autosampler, the LCS 5040 acts as an autonomous program unit capable of providing logical signals and thus initiating the individual steps of the sampling cycle, including the start data acquisition.

- [User manual](#)

Samples	40 microtubes (vol. 0.5 ml) with puncturable lids
Sample cooling	adjustable, from ambient temperature to ambient minus 24°C
Sample loop	5 µl, or it can be customized
Sample consumption	total volume of chosen sample loop, plus 30 µl
Operating pressure	max 35 MPa
Duration of sample transfer into loop	1 min.
Length of working cycle	max 600 min. if controlled by autosampler program
Communication	RS485 or RS232
Output control signal	4 (TTL)
Return response	2 (TTL)
Dimensions (w x h x d)	240 x 260 x 400 mm
Weight	15 kg
Power supply	230 V ±10%, 50 Hz
Power input	100 VA

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