

#### eksigent expressLC™-100 system

Get better HPLC data, at lower cost, and in less time. The compact, efficient Eksigent ExpressLC-100 System uses Eksigent's splitless direct-pumping microfluidic flow control (MFC) system to deliver precise, accurate flow rates and reproducible gradients. Do practically any conventional HPLC application in less time and at lower cost. Use the Eksigent ExpressLC-100 for ADMETox study sample analysis, inducible degradation studies, long-term stability studies, chiral separation analyses, and more.

- Save lab space with a compact, efficient, capillary chromatography system
- Separate and re-equilibrate in minutes
- Run predictable, reproducible gradient separations time after time
- Reduce solvent cost, consumption, and waste by more than 99%

#### capillary chromatography advantages

When you make the move to capillary chromatography you expect certain advantages. High sensitivity. Precise and immediate flow rate control. Very low solvent waste. Immediate re-equilibration. And highly reproducible separations.

Get all the advantages you're looking for. The Eksigent ExpressLC-100 is a capillary LC system from end-to-end that delivers performance and value that system designs adapted from conventional-scale components simply cannot match.

#### retention time reproducibility

The Eksigent ExpressLC-100 System uses microfluidic flow control (MFC) for electronically modulated capillary flow rate control down to 500 nL/minute. The splitless system maintains programmed flow rates of each mobile phase regardless of downstream flow resistance changes. Get consistent analyte retention times, even for gradient separations of complex mixtures.

#### compact efficiency

Open up space in your lab. The Eksigent ExpressLC-100 is just 53 cm x 51 cm x 46 cm. You won't need any big plastic jugs because the splitless ExpressLC-100 system typically uses less than 10 mL of solvent per day.

Make efficient use of limited sample quantities. Nanoliter sample volumes, precise and reproducible separations, and multi-slice sample injection allows you to complete your entire study without running out of sample.

Add MS analysis quickly by routing eluent from the UV detection cell through a short, direct transfer capillary to your ESI source. You can analyze the entire eluent volume so there's no splitting or metering to cause spray instability or degrade resolution.





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## expressLC-100 system specifications

**system components: expressLC-100 system**

- Binary gradient pump
- Electronically controlled injection valve
- Column temperature control
- Array-based UV detection system
- Optional LC PAL high-speed autosampler
- Pentium IV based data system
- Control and data acquisition software

**power requirements**

ExpressLC-100: 100-240 VAC, 50/60 Hz, 3A  
LC Pal Autosampler: 100-240 VAC, 50/60 Hz, 4A  
Data System: 100-240 VAC, 50/60 Hz, 1A  
LCD Monitor: 100-240 VAC, 50/60 Hz, 1A

**dimensions**

ExpressLC-100 system: 21" (53 cm) wide, 20" (51 cm) deep, (46 cm) 18" high.  
LC PAL autosampler: additional 14" (36 cm) in height, 8" (20 cm) in width and 6" (15 cm) in depth.

**service and warranty**

The purchase price includes installation and training by service representatives plus a one-year warranty on parts and labor.

**ordering information**

Description	P/N
ExpressLC-100 System w/LC PAL	950-00024
ExpressLC-100 System w/HTC PAL	950-00032