eksigent
rethink**HPLC**

data sheet

eksigent nanoLC-1D plus™ system

Speed, sensitivity, resolution and reliability – together at last. The NanoLC-1D Plus System is a compact proteomics lab workhorse that delivers stable, reproducible gradient separations for peptide/protein identification, phosphopeptide analysis, biomarker discovery, metabolomics and more. Architecture is simple and reliable because there's no flow splitting. Exquisite flow rate control enables automated peak parking for extended MS/MS analysis of analytes of interest. And the Eksigent NanoLC-1D Plus System comes with a dedicated sample-loading pump for fast, automated trapping of high-volume proteomics samples.

• Eliminate retention-time variability caused by flow-splitting
• Reduce solvent by 99%
• Take advantage of nanospray sensitivity
• Use peak parking to identify more low abundance peptides
• Plus, load high-volume proteomics samples rapidly

nanoflow proteomics advantages

When you make the move to nanoflow proteomics you expect certain advantages. High sensitivity. Precise and immediate flow rate control. Fast and easy column format changes. Very low solvent waste. High-speed sample loading. And highly reproducible separations.

Get all the advantages you're looking for. The Eksigent NanoLC-1D Plus is a nanoscale 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 NanoLC-1D Plus System uses Eksigent Technologies' microfluidic flow control (MFC) system to achieve precise nanoscale flow rate control down to 20 nL/minute. The splitless system maintains programmed flow rates of each mobile phase regardless of downstream flow resistance changes. As a result, retention times are highly consistent, helping analyte identification.

fast sample loading

Don't let high proteomics sample volumes cut into your productivity. The NanoLC-1D Plus system comes with a dedicated sample loading pump for fast sample loading and washing. The sample loading pump injects samples onto a trap column or analytical column at up to 30 µL/min.

nanoLC•1D™ PLUS

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nanoLC-1D plus system specifications

system components: nanoLC-1D plus system
• Binary gradient pump
• Dedicated sample loading pump
• Ten port low volume, biocompatible injection valve
• Optional temperature-controlled autosampler (96 or 384 well plate capacity) with
  a six-port biocompatible sample injection valve.
• Pentium IV Computer

power requirements
NanoLC-1D Plus system: 100-240 VAC, 47/63 Hz, 3A
NanoLC-1D Plus autosampler: 230-115 VAC, 50/60 Hz, 2A

dimensions
NanoLC-1D Plus system: 14" (35 cm) wide, 15" (38 cm) deep, 8" (20 cm) high
NanoLC-1D autosampler: additional 18" (45 cm) in height
Computer: additional lab space needed for keyboard, mouse and monitor

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

ordering information
Please contact our corporate office at 925 560 2600