

FEWER TRIALS. MORE DISCOVERIES.

Online HPLC for Process Analysis

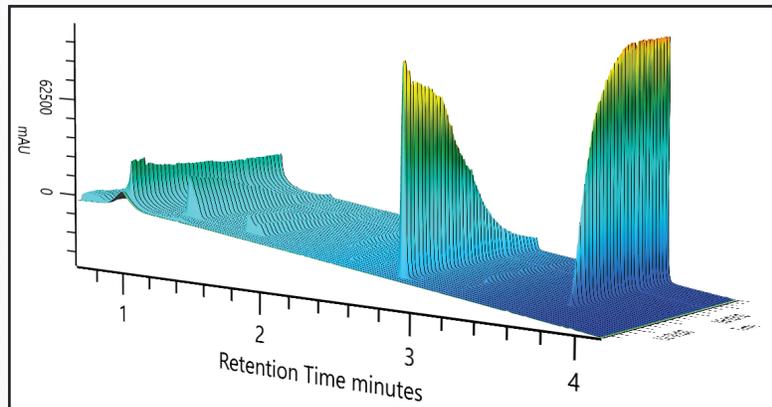
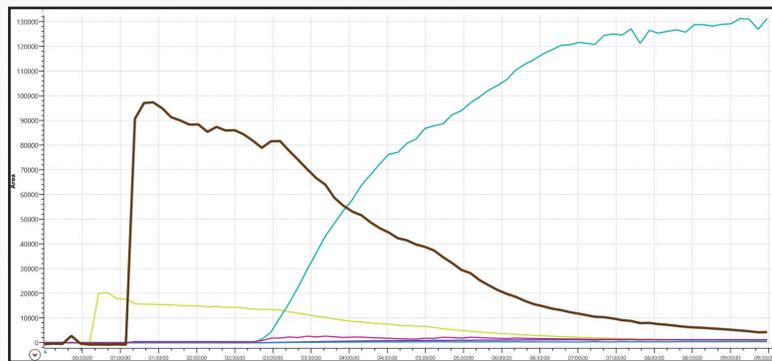
DILC™ transforms conventional “offline” HPLC analysis into a powerful new “online” tool, providing process chemists an unparalleled view into near real-time reaction kinetics.

Hands-Free Sampling and Injection

DILC™ provides for direct reaction aliquot capture with immediate in-line dilution and delivery of analyte onto column within moments of sampling. Without intermediate sample storage steps, there is no sample aging. The data you see is truly representative of the reaction at the time it was sampled.

Live Data Visualization

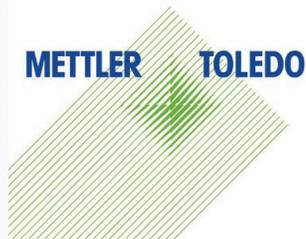
Live chromatography data system (CDS) data pickup provides direct visualization of reaction profiles with no post-processing required. DILC™ high-frequency reaction sampling yields a highly detailed reaction surface with one-click trend plotting.



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Effortless Analysis

With *in situ* reaction sampling, progressive in-line dilution, and direct LC injection, going from reaction setup to live reaction trends has become the easiest part of the experiment. Adjustable dilution across a wide range with exceptional reproducibility (<2% peak area RSD) affords the highest quality data for reaction monitoring and kinetic studies.



Proven Sampling Technology

DILC™ is designed to use the EasySampler™ reaction probe from Mettler-Toledo, the global leader in laboratory weighing and *in situ* analytics. Leveraging a robust, proven, industry-standard reaction probe ensures high sample-to-sample reproducibility under even the most challenging of conditions.

Compatibility with Challenging Chemistry

DILC™ is the ultimate reaction monitoring tool, capable of providing high-frequency LC/LC-MS analysis across a range of reactions and environments. DILC™ greatly simplifies monitoring of air- and/or water-sensitive chemistries. DILC™ sampling, dilution, and analysis technology has been proven for heterogeneous samples, including biphasic liquid-liquid, solid-liquid, and liquid-gas systems.

Specifications:

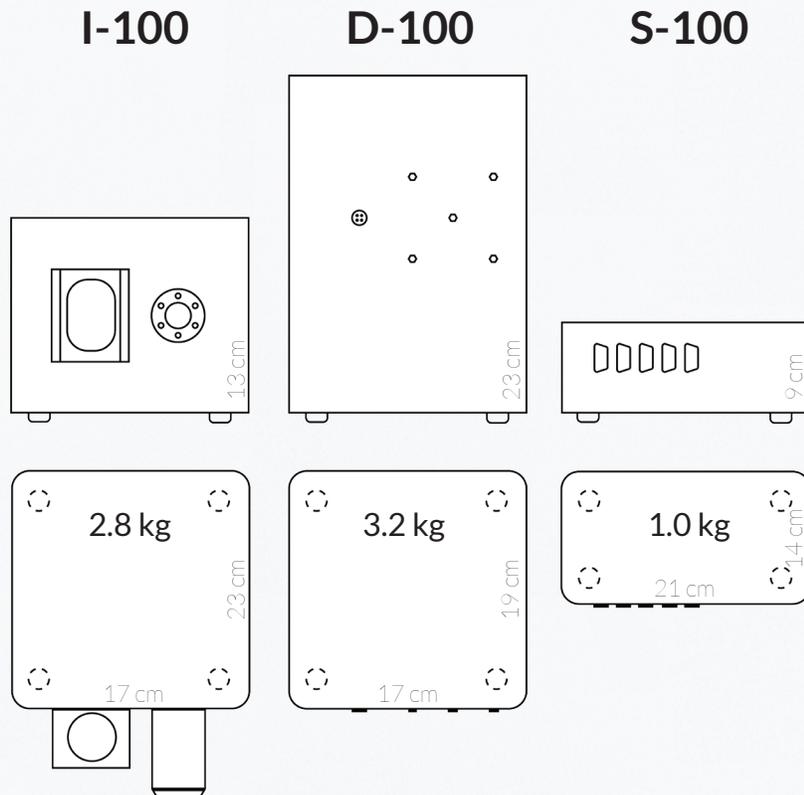
Power requirement: 85-264 VAC, 47-63 Hz
Power supply output: 48 VDC, 4.6 A
Ambient Operating Temperature: 4-55 °C
Operating System: Windows x64 PC
Communication: Ethernet

Wetted Materials:

Probe: PTFE, Alloy C-22, PEEK
I-100: 316 SS, ETFE, PEEK, PAEK, PTFE
D-100: 316 SS, ETFE, PTFE, Sapphire, PAEK, Viton

Supported CDS:

Agilent OpenLab ChemStation
Agilent OpenLab WorkStation
Waters Empower 3
Shimadzu LabSolutions



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for more information



DILC™
DIRECT INJECT
LIQUID CHROMATOGRAPHY