

OpenLAB® CDS EZChrom Edition

OpenLAB CDS EZChrom Edition is the next generation of chromatography data systems and the successor of ChromGate CDS. OpenLAB CDS EZChrom Edition provides chromatography data acquisition, processing and control of GC and LC chromatographs and is used in chromatography operations ranging from single user/single instrument to multi-user/multi-instrument laboratories. It provides support of devices from KNAUER and many other manufacturers.

The basic workstation license can only be installed on one PC and allows for control and data acquisition from one system. The license includes System Suitability, Fraction Collector Control and one year Software Maintenance Agreement (SMA).

The system suitability option allows for test if the system is suitable for particular analysis by testing several parameters as resolution, peak asymmetry and theoretical plates.

The KNAUER fraction collector control option includes the drivers of several fraction collectors and supports fractionation by time, the peak recognition by level and/or slope, also with spectral confirmation. Collet Slices allows for setting a desired volume for each fraction, within the defined fraction vial volume. In the fraction collector configuration the delay volume and the fraction vial volume can be defined. This ensures that the target substance will be collected in the fraction vial and the fraction vial will not overflow. The pump flow rate, which is required for calculation of delay and fraction vial fill level, will be automatically read from the pump's method setup. If a chromatogram of your separation already exists, the required fractionation commands can be derived directly from the chromatogram with a double mouse-click. The rack view gives an overview of the already collected fraction, their volume and retention time. The manual fraction control and the option to use the KNAUER electric valves for fractionation gives you more flexibility. The combination of virtual detector and virtual fraction collector allows for optimizing the fractionation settings from an existing chromatogram of your separations without any physically existing device and, therefore, without the loss of solvent or target substance.

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This software supports a wide range of instruments:
www.knauer.net/softwarecontrol

For PC hardware & periphery
see p. 67

Specifications

Software

Software name	OpenLAB CDS EZChrom Edition
Extensions / Licenses	Fraction collection, System suitability, PDA / 3D UV
System architecture	32-bit CDS
Operating system	Depends on CDS version. Latest version, supported by KNAUER drivers, is A.04.08. It runs on Windows Prof/Enterprise 10 64-bit and Windows 7 Prof. 32- and 64-bit.

Additional options/extensions

FRC option	always included, for preparative HPLC, adds tools for detector controlled fraction collection, solvent and peak recycling, stacked injection, rack view with information about RT and volume
FRC features	fractionation can be controlled by time (volume), level, slope including AND/OR combination of these criteria, spectra comparison, local maximum and local minimum, slices, full manual control of fractionation during a run
PDA option	3D chromatogram, peak purity analysis, spectrum search in self-made or commercial spectra library (must be converted in OpenLAB spectral library format), separate license option
GPC/SEC option	license is discontinued
System suitability test	license always included, automates the calculation of system suitability parameters for system validation

Ordering details:

A2600-1	OpenLAB® CDS EZChrom Edition workstation for one system with SMA and 4x System Suitability
A2610-1	OpenLAB® CDS EZChrom Edition 3D option for UV detectors MW-1, 2550 and 2600
A2611-1	OpenLAB® CDS EZChrom Edition 3D UV Option for DAD DAD6.1L, DAD2.1L, PDA-1, S2850
A2618-01	OpenLAB® CDS EZChrom Edition drivers for 80LT, 85LT, 90LT, 100LT and LC from Sedere
A2602-1	OpenLAB® CDS EZChrom Edition Instrument Control License
A2614-1	OpenLAB® CDS EZChrom Edition for distributed systems - please ask for desired configuration