

Software

ClarityChrom 5.X

ClarityChrom is an easy-to-use Chromatography Data System for workstations. The optional extensions for GC control, PDA and GPC allow to use the software for a wide spectrum of application. All KNAUER devices beside the PLATINblue system can be controlled. Additionally, devices and systems from more than 45 manufacturers are supported. The ClarityChromPrep includes the drivers for several fraction collectors and supports the peak recognition by level and/or slope. The manual fraction control and the option to use the KNAUER electric valves for fractionation gives you more flexibility.



Package	ClarityChrom
System architecture	32bit CDS
Operating system	Windows 200 Prof., Windows XP, Windows Vista 32bit and 64bit, Windows 7 32bit and 64bit
Stand-alone	workstation version, max. 4 systems controlled by one computer, max. 3 complete systems recommended
Client/server	no client/server functionality
Multi-user environment	selectable system of user accounts with independently customizable behavior and appearance for individual users
Network environment	easy offline data sharing (at the file level) among all stations in a local network
Fields of application	analytical HPLC, GPC/SEC, GC
Supported instruments	all Knauer devices are supported, driver for devices from many other manufacturers are available
Instrument connection	supports RS-232, Ethernet, PCI interface card, A/D-D/A interface
Recommended PC hardware	Pentium 2 GHz, 2 GB RAM, 10 GB free hard disk space, separate graphics card if one PC should control more than one system
Graphics capabilities	multiple chromatogram view and overlay, PDA view
Integration	27 integration parameters (peak width, threshold, tangent slope ratio etc.) integration parameters programmable in time, automatic re-integration
Calculation types	with/without calibration (int./ext. standard method)
Security and GLP	installation qualification test of the software; FDA 21 CFR Part 11 conformance, validation with virtual detector
Instrument control	method-based instrument control, Instrument status display and direct control mode,
Calibration	6 types of calibration curves, up to 20 levels, reference peaks, groups, unlimited number of standards (peaks), LOD, LOQ
Chromatogram operations	overlay view, custom labels and settings, also applying mathematical operations to chromatograms
Automation	sequences, automatic launch of selected commands or applications immediately following chromatogram acquisition – post run, batch
Presentation of results	Integrated customizable table of results, columns with userdefined calculation, summary table, and export in text or database format
Calculations	custom: 12 predefined mathematical operators, 15 basic and 4 summary functions, special: Kovats indexes for GC, determination of noise/drift, performance calculations
Data import and export	ASCII, AIA, dBase
PDA option	3D chromatogram, peak purity analysis, spectrum search in self-made or commercial spectra library
GPC/SEC option	molecular weight determination in size exclusion chromatography with various calibration methods
System suitability test	automates the calculation of system suitability parameters for system validation

Ordering details:

A1670	ClarityChrom 5.x single instrument license for one time base
A1674	ClarityChrom 5.x offline license for data evaluation
A1671	ClarityChrom 5.x additional instrument license on additional time base
A1676	ClarityChrom 5.x option for PDA data processing
A1681	Upgrade for one sytem from former version to ClarityChrom or ClarityChromPrep 5.x
A1685	ClarityChrom Preparative 5.x single instrument license one time base
A1688	ClarityChrom Preparative offline license for data evaluation
A1686	ClarityChrom Preparative 5.x additional license one additional time base
A1677	System suitability option
A1678	Option for GPC data processing
A1679	Option for MS data processing
A1690	ClarityChrom/Prep demo with 30 day demo license
A1675	ClarityChrom 5.x university package one offline license