

Clarity Chromatography Software – key parameters

Description:	Chromatography software for data acquisition and data processing
SW package:	SW on a USB, HW key (dongle), and manuals Optional: A/D converter and cables
A/D converters:	Proprietary only – external USB
Operating systems:	Microsoft Windows 7 ^{SP1} *, 8.1 *, 10 * and 11 (* 32 and 64-bit versions) (Compatibility table - refer to datasheet D016)
PC requirements:	Refer to datasheet D016 - Compatibility Table for further information
Number of connected instruments:	Up to 4 chromatographs/Instruments (= up to 4-time basis) at a time Each up to 32 signals/channels
Data acquisition:	Any detector with voltage output: up to 10 m distance using USB converters Digital acquisition: for selected chromatographs, e.g., Agilent, Knauer, etc. (Refer to datasheet D004 - The list of controlled instruments)
Measuring ranges:	Bipolar: 156, 1250, 10000 mV, Integration frequency: up to 400 Hz, 24-bit resolution
GLP/ 21 CFR Part11 requirements:	Password protection/expiration, Electronic signature, Audit Trails, User Accounts with access rights, raw data and history of modifications stored in the chromatogram, Installation qualification (IQ) Test, Validation Kit
Co-operation with autosamplers:	The software cooperates with all autosamplers in active or passive mode by synchronization on the TTL signal level. Direct control of selected autosamplers is available (refer to datasheet D004 - The list of controlled instruments)
Integration:	27 integration parameters, such as Peak Width, Threshold, Tangent Slope Ratio, etc. Filtering capabilities: FFT, Savitzky-Golay, etc. Integration parameters are programmable in time; automatic reintegration is available
Calculation types:	Up to 10 ISTDs (internal standards) Both without and with calibration (internal and external standard methods), parameters of individual peaks for assessing both the efficiency of the column and the chromatographic system as a whole, SST module for establishing deviations and reproducibility of selected parameters
Calibrations:	6 types of calibration curves, up to 20 levels, Reference Peaks, Groups, unlimited number of standards (peaks), LOD, LOQ
Work with chromatograms:	Overlay of up to 1,000 chromatograms, mathematical operations with chromatograms, custom labels, and settings for chromatograms
Automation:	Sequences, Post Run - automatic launching of selected commands and applications immediately after the chromatogram acquisition, Shutdown methods, Batch processing, command line parameters

Presentation of results:	Result and Summary Tables, both integrated and customizable, columns with user-defined calculations, exports in text or database format
Calculations:	Custom: 12 predefined mathematical operators, 15 basic and 4 summary functions Special: Kovats indexes, noise/drift determination