

Clarity Chromatography Station – key parameters

Description:	Chromatography software for data acquisition and data processing
SW Package:	SW on a DVD, HW key (dongle) and manuals Optional: A/D converter and cables
A/D converters:	Proprietary only - external USB
Operating systems:	Microsoft Windows XP ^{SP3} , 7 ^{SP1} *, 8.1 * and 10 * (* 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 10m 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 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 TTL signal level. Direct control of selected autosamplers is available (refer to the List of controlled instruments, code D004)
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
Calculation types:	Up to 5 ISTD's (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 of 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, Batch processing, command line parameters
Presentation of results:	Result and Summary Tables, both integrated and customizable, columns with user-defined calculation, export in text or database format
Calculations:	Custom: 12 predefined mathematical operators, 15 basic and 4 summary functions Special: Kovats indexes, noise/drift determination

Reports:	Custom protocol layouts, Print Preview, Print to PDF file, E-mail report
Data export:	ASCII, AIA, dBase, (LIMS supported by export of files in txt format)
Data import:	ASCII, AIA, (LIMS supported by import of files in txt format)
Multi-user environment	Selectable system of user accounts with independently customizable behavior and appearance for individual users
Network environment:	Easy off-line (at the file level) data sharing among all stations in a local network
Control modules:	<i>refer to datasheet D004 - The list of controlled instruments</i>
Extensions:	GPC, PDA, CE, EA, NGA, DHA, MS, SST module
Supported languages:	Clarity is available in English, Chinese, French, German, Spanish and Russian. Documentation is available in English, selected documentation is available in other languages, see www.dataapex.com for full list of available documentation.
Separate Solutions:	Clarity Lite, Clarity Offline - <i>refer to datasheet D007 for feature comparison</i> Clarity2Go mobile application- <i>refer to datasheet D067 for details</i> SDK – Software Development Kit for external development of control modules OEM version upon request
Support, warranty:	Automatic update from Web, free software updates, free access to on-line knowledge database, on-line technical support, 3 years hardware warranty