



Formacs^{Series} TOC and TN Windows[®] Software

The Formacs^{Series} software is a user-friendly, multi-tasking software platform which operates in Windows XP and Vista environments.

The flexible Formacs^{Series} software allows the operator to start an analysis within seconds. Upon starting the analysis the operator creates a new worklist or modifies an existing one. The worklist allows the user to assign any customized analysis method for each sample individually. In case of

routine applications, a pre-programmed method can be used ensuring that all samples are analyzed accordingly. The worklist can be extended and edited before and during the analysis in case priority samples need to be analyzed.



During the run each peak is automatically marked and identified in the graphical display of the analysis. There are autoscale, zoom and real-time editing functions available. The dual channel software displays the peaks and results of TOC and TN analysis simultaneously, so they are instantly available to the operator for evaluation if required. In case multiple calibration curves are stored, the software automatically selects the best-fit curve for every individual sample.

All runfiles are stored on the PC and are easily accessible. Whenever required, old runfiles can be edited, modified and recalculated without losing the original data files. With just one click a print-out report can be generated of the complete runfile or a customized selection of the data. Using a customized output protocol the required data can also be exported as ASCII file, TXT file or CSV file for compliancy with Excel[®] and LIMS.

The software has been developed in accordance with the 21 CFR Part 11 guidelines for electronic signatures / audit trails and incorporates multiple user-levels to prevent unauthorized access.

Features

- * Simultaneously analysis of TOC and TN
- * Full control of the random access auto-sampler and analyzer
- * Multiple view screens
- * 21 CFR part 11 compliant
- * Real time diagnostics, data manipulation and alarm settings
- * Automatic blank correction
- * Automatic start-up and shut-down procedure
- * Capability of exporting predefined data files
- * Ability for bar-code sample identification
- * Password security for various entry levels
- * Microsoft Windows[®] XP and Vista compatible



The Formacs^{Series} analyzers conform to international TOC and TN standard regulatory methods including: EPA 415.1, Standard Methods 5310B, DIN 38409 H3, ASTM D-5173, USP <643>, EU 2.2.44, ISO 8245, EN 1484, USEPA 9060A and complies with 21CFR part11.

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Defining analysis method for individual each sample

- * Analysis - TC, IC, TOC, TN and NN
- * Injection volumes
- * Automatic stirring
- * Automatic acidifying
- * Automatic sparging

Real time features

- * Real time viewing
- * Real time peak information and result display
- * Real time peak editing
- * Showing Carbon and Nitrogen analyses individually or simultaneously
- * Zoom-, scale- and scroll options
- * Allows a direct printout of any screen

Diagnostics

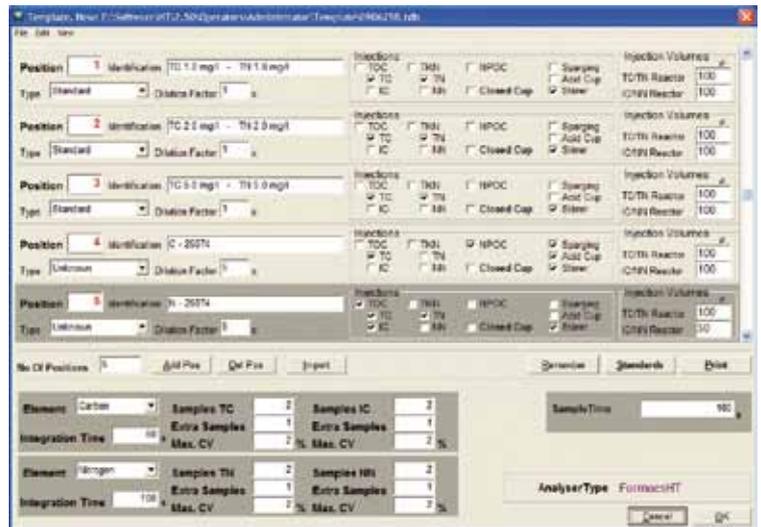
- * Furnace and Cooler temperature
- * Flow
- * Detector output
- * User definable limits of analyzer settings. Analyzer actions can be programmed for security in case limits are exceeded

Results Screen

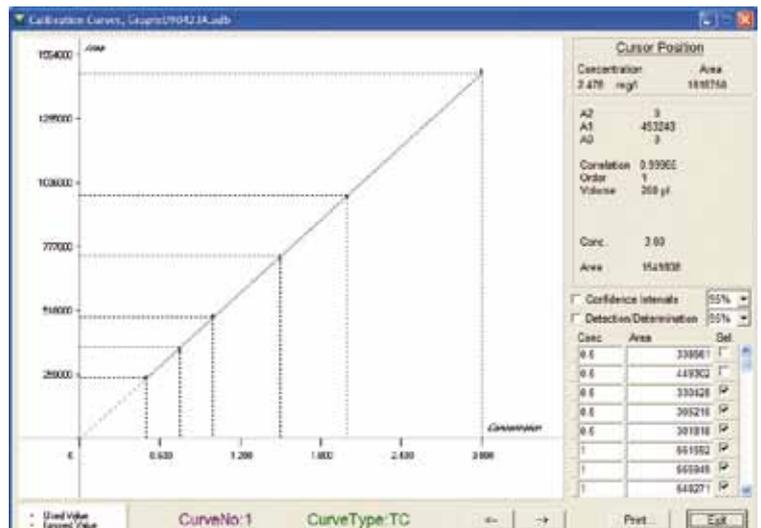
- * Correlation coefficients, CV values, individual and averages results
- * User-defined report layout/output format
- * Allows calculation with stored calibration curves
- * Allows manipulation of results for recalculation
- * Export of results to Excel/LIMS possible

Minimum Computer Requirements

- * 1.3 GHz Pentium processor
- * 1 GB RAM, 30 GB Hard Drive, Mouse
- * 1 serial port, CD ROM drive
- * 17" Colour Monitor (1024 x 768),
- * Printer – Microsoft Windows[®] compatible
- * Microsoft Windows[®] XP or Vista



Creating the worklist



Calibration curve

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