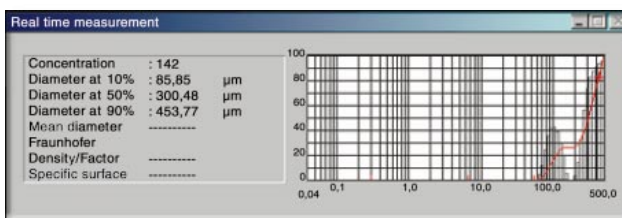


SOFTWARE

THE PARTICLE EXPERT[®]

"The Particle Expert" software drives CILAS's range of Particle Size Analyzers, using the Windows[™] functions.



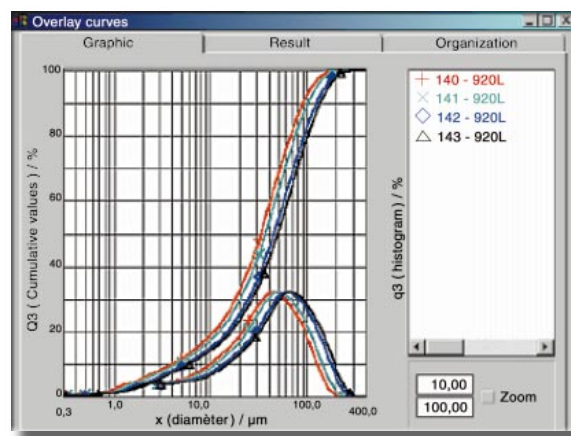
MEASUREMENTS IN REAL TIME

Through the visualization of the results in real time, you can optimize SOPs within a minimum amount of time.

You will immediately see the effect on results if you modify different measurements parameters : ultrasound, dispersant, concentration, pressure, etc...

QUALITY CONTROL

For each SOP you can define four curves, corresponding to two minimum and two maximum acceptable values. In operation, resulting curves are marked as accepted, refused or held for evaluation. This mark is also indicated in the database. The theoretical quality control curves can be real measurements or measurements manually created.



MONITORING

You can visualize the results and follow the measurements through a site network. The detection of new results and the "refresh screen" function are automatic.

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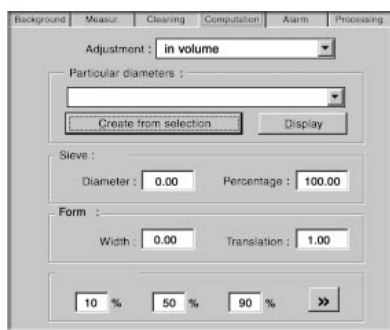


THE PARTICLE EXPERT[®]

A USER-FRIENDLY INTERFACE

The software, "The Particle Expert", drives the particle size analyzer by means of a mimic screen, combining operation, calculation and reporting capability.

The menus and the buttons give immediate access to the functions, by use of a mouse or keyboard. The mimic screen is a symbolic representation of the different functions for operating the particle size analyzer (ultrasound, pumps (liquid mode), laser, vibratory feeder (dry mode),...).



FUNCTIONS

The software is supplied with many standard operating configurations for a quick start, but it is also completely adjustable to meet your specific needs.

The software is available in several languages.

It provides different levels of security, with or without password protection, allowing for use in R&D and production at the same time :

- an "Operator" level allows user to make perfect measurement by using SOPs (Standard Operating Parameters factory or user defined).
- an "Analyst" level permits programming the SOP's.
- a "Controller" level provides access to all of the software functions including database management. The "Results" dialog box is used to select measurements in the database, and to visualize, modify, print, create, cancel, import or export them in an Excel[™] file compatible format.

PROCESSING

"Processing" of data is used to recalculate the results of measurements. The model for calculation of the granulometric distribution can be made by volume, by surface, by number, by log normal, by Rosin-Rammler, and by calculations according to Mie or Fraunhofer Theories.

The "Overlay" window includes the "Graphical" and the "Result tab". The "Result tab" is used to prepare a spreadsheet compatible with Excel[™]. In a few seconds you can see the minimum, the maximum, the average and the standard deviation for selected measurements.

