The Portable FlowCAM®:
Real-time digital imaging and particle analysis on the go

P O R T A B L E
FlowCAM cx ®
F L U I D   I M A G I N G   T E C H N O L O G I E S

Our original FlowCAM®, the world's first instrument for continuous analysis and digital imaging of microscopic particles in a fluid stream, is also available in a convenient travel size. The Portable FlowCAM® is mounted in a rugged, water-resistant housing for safe transportation, rapid set-up and ease of use. It can operate on either 120/240 volt or 12 volt battery power! From the laboratory to the field, the Portable FlowCAM® is a virtual lab on wheels.

Ideal for water or industrial process monitoring, the FlowCAM® detects, counts, measures, and provides shape analysis of cells or particles in a fluid stream or a real-time basis.

Real-time visualization system brings the power of a big lab to remote locations or temporary installations

Portable Applications

- On-site Data Needs
- Remote Testing
- Production Line Testing
- Extended Cruises
- Emergency Response Feedback
- Offshore Petroleum Platforms

FlowCAM® Features

- Housed in a lightweight, water resistant and highly durable case
- Two channel fluorescence detection, or simultaneous fluorescence and light scatter detection
- VisualSpreadsheet©— interactive and intuitive particle analysis software (see other side for details)
- Identify and analyze organisms and particles using over 20 different image parameters
- Process and analyze large sample volumes up to 10 ml/min

Summary data displayed in a histogram, including fluorescence and size data. Select specific areas of interest using Interactive Scattergram©.

Summary data also displayed in a scattergram based upon Aspect Ratio or other image parameters. Quickly isolate particle types by shape using Interactive Scattergram©.

Summary particle statistics displayed for all particles, or only those selected via the Interactive Histogram©.

Automatic display of all particle images selected via either the Interactive Scattergram© or defined using VisualSpreadsheet© filtering.

VisualSpreadsheet© enables FlowCAM® users to *visually* post-process particle data. Traditional particle analysis systems use cumbersome tabular spreadsheets.

VisualSpreadsheet© Turns Data into Knowledge

The proprietary processing system of the FlowCAM® captures a digital image of each cell or particle and presents the data in an easy-to-read VisualSpreadsheet© or through our patented Interactive Scattergram© feature.

Harness the Power of the Most Powerful and Intuitive Particle Analyzer Available

Intuitive, familiar interface – VisualSpreadsheet© is as simple as using standard office software. Designed as a responsive companion in your research and analysis function, VisualSpreadsheet© seamlessly accesses and documents images, and analyzes data on over 20 different parameters.

Rapid investigation of particle properties – FlowCAM® automatically counts, images, and analyzes cells or particles from a discrete sample or continuous flow, providing significantly increased data collection, instantly. FlowCAM® eliminates slide preparation and provides a complete picture of your fluid sample in a fraction of the time needed for traditional microscopy.

Separate and quantify different particle types –The Interactive Scattergram© can help you refine the results within a region of interest (ROI). The VisualSpreadsheet© filtering feature will automatically find all particle images using a sophisticated image recognition algorithm.

Compare multiple data sets – Our unique viewing windows allow you to see multiple filtered ROIs, which are helpful for visual comparisons, and also organizes and manages the data sets.

Build Image Libraries – Create libraries of desired images for later use to identify like particles/species in other samples.

Data Like You've Never Seen Before.

FLUID IMAGING
TECHNOLOGIES