

Revolutionize Microbial Monitoring with Automated Flow Cytometry

Sampling every
15 minutes

Multiple parallel
control points

For low and high
concentrations



Rapid detection at
the single-cell level

Total & intact cell
quantification

Continuous insights
and actionable data

Applications

Drinking Water | Water Reuse

Biotech | Probiotics | Beverages

Aquaculture | Algae Cultivation

Industrial Water | Pulp and Paper

onCyt™ MicroQuant

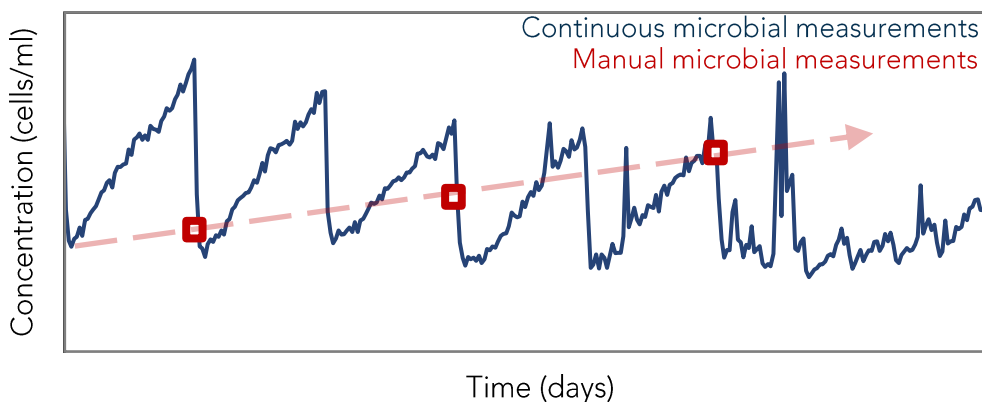
Automated Flow Cytometer

Sampling & Measurement

Detected microorganisms	Bacteria, yeast, microalgae
Measured parameters	Total and intact cell concentration, contaminating population
Sample lines	Up to 6 sample lines in parallel
Concentration	max. 10^{11} cells/ml
Measurement frequency	15 min (may vary depending on the degree of sample predilution)
Autonomous operation	7 days (at max. sample frequency)
Sample pressure	max. 4 bar
Fluidic interfaces	Customizable
Reagents	Easily refillable and customizable

cyOn fully automated data acquisition and analysis displaying live concentrations

Software



Installation

Communication	Ethernet
Dimensions and weight	45 x 40 x 60 cm, < 35 kg
Operating environment	10 to 35 °C / < 80% RH at 20°C, non-condensing