



FLOWNAMICS[®]
Your Bioprocess Sampling Solution

Autosampling Solution For Nova BioProfile FLEX2 Analyzer



Automated On-Line Analysis

The Flownamics Seg-Flow® 4800 coupled with a Nova BioProfile Flex Analyzer provides automated, on-line analytical solutions for advanced bioprocess culture monitoring. The Seg-Flow draws samples from 1 to 8 vessels and delivers each vessel sample to the Nova BioProfile Flex, or up to 4 analyzers in all. The Seg-Flow system acquires and processes the Nova BioProfile Flex data to provide real-time cell, nutrient and metabolite analysis as well as feed control options for bioprocess cultures. The Seg-Flow's OPC technology provides seamless integration of the Nova BioProfile Flex data into any OPC-enabled SCADA or bioprocess management system for enhanced bioprocess monitoring and control.

Seg-Flow Features

Versatility

- User-defined sample size (200 µL to 50 ml), rapid and accurate sampling
- Sample from 1 to 8 vessels (streams) at a time
- Withdraw cell-free and/or cell-containing samples
- 8 analog inputs, 21 analog outputs, 3 RS-232 ports, TCP/IP

Internal Web Server

- FlowWeb™ controls system internally
- Log data and information for each vessel or stream
- View and control from any PC or smart phone

Low Maintenance and Operating Cost

- Single-use fluid path from vessel to analyzer

Small Footprint

- 11"W x 12 1/2"D x 10 1/4"H
- (28.0W x 32.0D x 26.0H cm)

Simple Setup, Interface and Startup

Patented Segmented On-line Sampling Technology

- Provides rapid and accurate sampling

Data Management

- Seamless data integration to various bioprocess management systems via OPC

Scale-independent Technology

- Lab, pilot and commercial processes

Seg-Flow/Nova Bio Profile FLEX2 Interface

Nova BioProfile FLEX2 Analytes

Glucose	pH
Lactate	pO ₂
Glutamine	pCO ₂
Glutamate	Osmolality
Ammonium	Cell Density
Sodium	Viability
Potassium	Cell Diameter
Calcium	

