

Introducing

AugaOne™

Enhance your Chromatography Processes with In-line Data

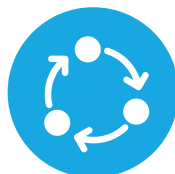


Real-time In-line Monitoring and Control of BioProcesses

- Accelerates process development by minimizing the need for off-line analyses by providing real-time, in-line data.
- Enables precise and instantaneous detection of specific biomolecules and important process parameters without sample preparation.
- The ideal choice for identifying product breakthrough, quantifying aggregates, and optimizing multi-column chromatography, along with other capabilities.



Speed up process development



Automatic in-line analysis



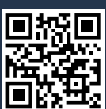
Reduce time-consuming off-line analyses



Real-time monitoring



User-friendly and easy to install



System Overview

Flow Cells

- Flexible integration into various bioprocessing equipment
- Stainless steel with integrated optics and connections for optical fiber readout
- Flowrates: 0.01 – 250 mL/min

Sensor Chips

- Robust single use sensor chips for specific detection of biomolecules
- Stainless steel with robust surface chemistry
- Low unspecific binding
- Ligand dependent specificity
- Dynamic range: 0.01 – 10 mg/mL (mAb)



Optical Unit

- Optical detection using fiber optics
- Small foot-print (20 x 17 x 7 cm)
- Dedicated software solution for data analysis with OPC support

A Versatile add-on Sensor for your Chromatography System

- Compact stand-alone sensor system with small foot-print.
- Simple integration into your existing chromatography system.
- A dedicated software for data acquisition and analysis with OPC compatibility



Accelerate your bioprocess development by **replacing** time consuming **off-line** analytics with automatic **real-time** analysis performed **in-line**

Contact Us for More Information



Specifications

AugaOne™



Optical Unit

Dimensions	W205 x D177 x H66 mm
Weight	1.5 kg
Light source	Warm white LED 3000 K
Minimum light source lifetime	10 000 h
Detector	CMOS
Temperature range	10–30 °C
Power supply	5 V DC @ 700 mA
Data transfer	USB3

Flow Cells

Dimensions	W50 x D24 x H71 mm
Weight	304 g
Material	Medical grade stainless steel
Design	Single channel
Flow rate	0.01–250 mL/min
Dead volume FC34/FC15	213 µL / 82 µL

Sensor Chips

Functionalized area	10.2 mm ²
Substrate	Medical grade stainless steel
Surface coating	Gold nanostructures
Surface chemistry	Pre-coated chemistry
Available ligands*	ProteinA, ProteinG, ProteinL
Between chip CV (%)	< 10%
Within chip CV (%)	< 5%

*Sensor chip portfolio subject to continuous updates

Software

Operating system	Microsoft Windows 7, 10, 11
Output data format	CSV
External communication	OPC DA/UA

