

BI-2000



BI-2000 utilizes a unique detection technology that delivers superior flexibility with high sensitivity $< 10^{-4}$ degrees (rms). It enables users to measure a binding constant down to a few pM^{-1} . The system is specially developed to meet many application requirements. The system also provides a quick and easy setup with various cell modules such as the flow cell module for DNA sequencing, protein/protein interaction, ligand/receptor recognition, and drug development applications and the optional EC cell module (not included with the system) for electrochemical SPR analysis.

Key Features

- Wide dynamic range and high sensitivity for both large and small molecules (< 100 Daltons)
- Broad response time for slow (hours) and fast ($< \text{ms}$) kinetic processes
- Innovative design provides users with maximum flexibility
- Two channel detection for background and noise subtraction
- Compatible with electrochemistry applications
- Single and serial fluidic modes - more experimental options, enhanced data quality

System Specification

Base station: built-in power supply with differential detection electronics.

Control system: precision data acquisition system, control/analysis software with a PC computer.

Two Channel SPR module: covering SPR angle range for measuring SPR shift in aqueous buffer solution.

Manual valve system for two channel fluid handling: two-channel PEEK flow cell. The injection valves come with a zero-dead-volume loop for small volume samples.

Syringe pump module: programmable syringe pump with flow rates ranging from 2 nL/min to 8 mL/min, depending upon the syringe size.

Available in Canada from...

MJS
BioLynx
INC.

For more information, please contact us at:

1-888-593-5969

www.biolynx.ca • tech@biolynx.ca



Optional Accessories

Flow injection cell made of PEEK.



Two Channel PDMS Gasket for single and serial flow analysis.



Electrochemical (EC) cell made of PEEK. It includes a Pt counter electrode, a Ag/AgCl reference electrode and a Teflon gasket for electrochemical SPR.



Gold sensor chips



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